

Celebrating 50 Years as the University Of Alberta's Alumni Publication

NEW TRAIL

AUTUMN 1993

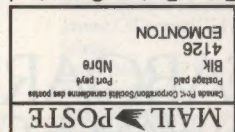
**Celebrating
Achievement**

A Special Issue
Recognizing
Distinguished
Alumni, Students,
Teacher and
Researchers

Distinguished Alumna
Glenda Simms

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Reunion Weekend '93
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NEW TRAIL

In the summer 1982 issue of *New Trail* — an issue I remember well, for it was my first as the magazine's editor — the lead story in the "Campus Reporter" section had the headline "University Recognizes Its Own."

The report concerned the creation of Research Prizes that were to be awarded to University faculty members to recognize excellence in research and scholarship (these awards have since been renamed in honor of the University's first vice-president for research, the late J. Gordin Kaplan) and the introduction of the Rutherford Awards for Excellence in Undergraduate Teaching.

Each year since then we've reported on the winners of these awards, but it has been more or less as space allowed. There have been many years when I've felt bad about not being able to give more coverage, but space in the magazine just wasn't available — I never seem to have enough room for everything.

The Alumni Association also has a long tradition of honoring the accomplishments of people from the University community. This recognition includes the Alumni Golden Jubilee Award, introduced as part of the University's 50th anniversary celebrations in 1958 to recognize outstanding contributions to the welfare of the University, and three major scholarships for

students who are active in University affairs.

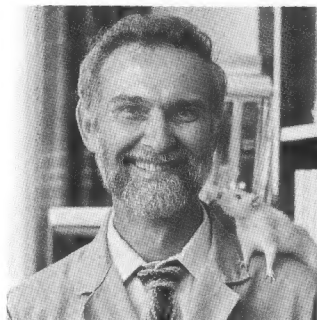
We've reported these awards each year, as well, but often the reports have been much briefer than we would have liked them to be. In particular, I've been wanting to give more coverage to the scholarship recipients — these are extraordinary young people who are such a vital part of the University.

And last year the Association introduced its Distinguished Alumni Awards to celebrate the tremendous accomplishments of U of A graduates. Here was something else I wanted to give the space it merited.

Somewhere along the way, the idea for this special issue evolved. It combines reports on this year's winners of all the awards I've mentioned, as well as recognition of the 1993 inductees to the Sports Wall of Fame and the professor named to the prestigious appointment "university professor," which honors faculty members whose eminent contributions to scholarship have brought them a distinction that goes beyond a single discipline or Faculty.

I'm pleased with the way the issue has worked out. I'm glad to be able to give these award winners the recognition that their accomplishments deserve.

Rick Pilger
Editor



Celebrating Achievement 7

A man who spearheaded the formation of the global INTEL-SAT satellite communications network, two alumnae who have played leading roles in advancing the status of Canadian women, some world respected scholars, and three of the University's most involved students. . . . In this special issue, we celebrate the achievements of these people and others who stand as some of the best examples of the extraordinary people who are part of the University of Alberta community.

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Cover

Glenda Simms, the president of the Canadian Advisory Council on the Status of Women is one of three outstanding University of Alberta graduates who will receive Distinguished Alumni Awards from the Alumni Association at the Reunion Weekend Gala Dinner and Dance on Saturday, 2 October.

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**University of Alberta
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4th Floor Athabasca Hall
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Telephone (403) 492-3224
Fax (403) 492-1568

Director of Alumni Affairs
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Manager, Branches & Constituent Associations
Elke Christianson, '90 MA
Manager, Programs and Services
Coleen Graham, '88 BSc(HEc), '93 MEd
New Trail Editor
Rick Pilger

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U of A Team Wins at HEV Challenge

Students from the University of Alberta have met the challenge — and Ford Motor Co. has taken notice.

Officials from Ford were saying that they just might have to look to hiring some U of A engineering grads, after the Alberta team's strong showing at Ford's HEV Challenge, a competition to develop a hybrid electrical vehicle — one that runs primarily on electricity but has an auxiliary internal combustion engine.

Thirty universities from the United States and Canada took part in the competition, and the U of A students managed more first place finishes than any other team, winning first overall in the Escort-conversion class. (Teams could opt to convert an existing Ford Escort station wagon or to build a vehicle from the ground up.)

The U of A team earned its over-all award by placing first in a number of the conversion class categories. These included top-place finishes in vehicle range, acceleration, commuter challenge, best performance vehicle, design innovation and creativity, best ergonomics, and team spirit and sportsmanship.

The Alberta entry placed second in oral presentation, engineering design, and best use of materials. It captured third spot in the cost assessment category.

The wins came against some tough competition. "I'm very

impressed with the vehicles these student engineering teams developed," said John McTague, Ford's vice-president for technical affairs. "We challenged the students to think ahead to the future of automotive engineering and they met and exceeded the challenge."

The U of A entry was put together by an interdisciplinary team, which combined the talents of a large group of engineering students and a smattering of their colleagues from the Faculties of Business, Home Economics and Arts. The outstanding work of fine arts student James Paras, an industrial design major who completely redesigned the Escort's dashboard, played a large role in the U of A win in the ergonomics category.

Team member **Kevin Gans**, '93 BSc(Eng), who graduated in electrical engineering this spring, said one of the U of A team's most important strengths was its superior organization, and offers kudos to mechanical engineering student Vince Duckworth, who "took care of all the logistics, so the other team members could concentrate on what they were supposed to do."

Gans says that when the U of A team arrived in Dearborn, Michigan, the competition site, it found that some of the other teams had left some tasks to the last minute.

Duckworth attributed the first-place win to "a little bit of luck, good organization and a darn good car. We cleaned up

in the performance categories."

On their way back from the competition the team made a tour of Canada, making a number of stops to show off the car at venues that ranged from malls to universities. One of the first stops was Oshawa, where the team members lunched with the president of Ford Motor Company (Canada).

Pharmacy Students Win Again

For the fifth consecutive year, the University of Alberta's graduating class in pharmacy has had the highest average on the Pharmacy Examining Board of Canada examination.

And the highest marks on the examination, which was written in June, went to U of A student **Frances Cusano**, '93 BSc(Pharm), who won the Canadian Pharmaceutical Association's George A. Burbridge Award. This is the fourth consecutive year that a U of A grad has either won or shared the award.

Cusano, who is currently doing a one-year residency at the Children's Hospital in Calgary, also won the Alberta Pharmaceutical Association Gold Medal, as the most outstanding student in her U of A graduating class. She had a near-perfect 8.9 (out of 9.0) GPA in her final year.

Achievements Recognized

The son of the first Japanese graduate of the University of Alberta was one of seven people whose accomplishments were recognized with honorary degrees at the University's 1993 spring convocation.

Hiroshi Kurimoto, the president of Nagoya University of Commerce and Business Administration in Japan, received an honorary doctor of laws degree on 8 June 1993. His contributions to education in Japan include the founding in 1982 of Koryo International College, a junior college for young women, and the establishment of Japan's first graduate school of management information systems at the



President Hiroshi Kurimoto

Yuichi Memorial School of Business Administration.

President Kurimoto's family has a long association with the University. His father, the founder of Nagoya University, graduated from the U of A in 1930, and the Kurimoto family was instrumental in creating the Kurimoto Japanese Garden at the University's Devonian Botanic Garden.

Other honorary doctor of laws degrees went to Ray Fortune, former president of TRILabs, specialists in telecommunications; Edgar T. Jones, a noted naturalist, wildlife cinematographer and educator; Levko Lukianenko, who helped draft Ukraine's Declaration of Independence and was later named Ukraine's first ambassador to Canada; and James Shaw, Sr, president of Shaw Cablesystems Ltd., which was granted the first cable television licence in Edmonton and is now the third largest system of its type in Canada.

Honorary doctor of letters degrees went to professor emeritus of music Violet Archer, one of Canada's most respected composers, and to well-known Edmonton novelist Helen Forrester, author of *The Lemon Tree* and 13 other novels.

Flying Free

Early this spring the University welcomed a High Archduke from the Philippines for an extended visit.

Everything possible is being done to make the Archduke feel at home — the right sort of



U of A team members pose with their HEV car at the Dearborn site.

food, careful control of temperature and humidity, some favorite plants. . . . In short, the Archduke is being treated royally — as are the Blue Mountain Swallowtail, the King Priams Green Birdwing, the Silver King Shoemaker and the dozen or so other varieties of butterfly now flying freely among the lush foliage, pools and paths of the Devonian Botanic Garden's rainforest greenhouse.

"Butterflies at the Garden" is a cooperative venture of the Garden and the Provincial Museum of Alberta. "We're doing something we could never do alone, and they're doing something they could never do alone," says the Garden's director, Dale Vitt.

"We'll be educating people at all levels," says Vitt, who wants to show the complex interaction between plants and animals and make it known that many



The King Priams Green Birdwing is one of the exotic species of "Butterflies at the Garden."

butterfly species are being endangered by destruction of their ecosystems. "I would hope that without doing anything more than simply having the butterflies flying around, people would come away with the idea that if you take the plants away, the butterflies will diminish."

Invertebrate zoologist Albert Finnamore of the Provincial Museum points out that the endangered species visitors will see have not been collected in the wild, but have been bred by licensed breeders and shipped in the chrysalis state.

"Butterflies at the Garden" is open to the public until the end of September. It is a continuing project, and if breeding is successful the High Archduke and his court will be on hand to greet visitors to the Garden when it opens again next May.

Plans for Presidential Search Suspended

Special Review Committee to report to 1 October Board Meeting

Dr Paul Davenport's future as president of the University of Alberta is uncertain now that plans for a presidential search committee have been put on hold.

Earlier, when the Board of Governors had voted to establish such a committee, it appeared that Davenport's tenure as president of the University of Alberta would end when his current term expired in June of next year, despite the president's desire to serve longer.

On 25 June the Board of Governors, acting upon the recommendation of a presidential review committee, had passed a motion calling for the striking of a presidential search committee. At a news conference three days later, Davenport made it clear that he was not prepared to go through the search process. "I had informed the Board before they took their decision that I would not be a candidate if a search committee were established," Davenport told reporters who had gathered in his office. "We are therefore in a period of transition toward new leadership at the University of Alberta."

The president added that he would remain in office during that transition "because I believe that it is in the best interest of the University that I do so."

The presidential review committee whose recommendation the Board had accepted had been constituted according to General Faculties Council standing procedures once Davenport had expressed his intention to seek a second term. It was chaired by Board of Governors chair **Stan Milner, '51 BSc**, and its members — 16 in all — represented the Board, the Senate, students, faculty, staff, alumni, deans and department chairs.

The committee first met in February and in the following four months conducted interviews and considered written and verbal submissions offered in response to its calls for input. On 21 June, instead of recommending reappointment of



President Paul Davenport

Davenport for a second five-year term, the committee decided to recommend that a presidential search be instituted and the suggestion was that Davenport could stand as a candidate.

The Board's decision to accept the committee's recommendation was greeted with considerable controversy, both on campus and in the wider community. Among those expressing concern about the decision was the University's vice-president (academic), Dr John McDonald, who submitted his resignation from his vice-presidential appointment as a show of support for Davenport.

"By not reappointing Dr Davenport for a second term, the Board failed to provide the President with the support he should have. I can neither support the evaluation of President Davenport nor the lack of a decision to reappoint him for a second term which is the outcome of that evaluation," said McDonald in a statement circulated on campus.

While many faculty and staff members rallied to the president's support with a petition that gained more than 1,000 names, others argued that the Board's decision was made by a democratic process and should be respected. This view was also articulated by Board of Governors chair Milner who said that, though he doesn't necessarily

agree with the review process, "a majority came to a decision, a majority made a recommendation, a majority voted and that is the process."

Support for the president also came from the Students' Union, which called upon the Board of Governors to reconsider its decision and expressed concerns about what Students' Union representatives suggested were injustices and irregularities in the proceedings leading to the Board's decision to strike a presidential search committee. At a Students' Council meeting on 20 July, student councillors agreed that events associated with the presidential review had created confusion and misunderstanding.

When the University's Governors met on 6 August, their 25 June decision dominated the agenda, and after lengthy deliberations the Board voted to put the search on hold. A short news release circulated immediately following the meeting gave the text of the motion that had been passed: "That the Presidential search process initiated at the meeting of the Board June 25, 1993 be suspended until the October 1, 1993 meeting of the Board and that a Committee consisting of the members of the Board of Governors and the members of the Review Committee established January 8, 1993 be created to invite, receive and review any and all representations concerning the performance of the President and to report with recommendations to the Board at that October 1 meeting."

At the time *New Trail* went to press (two weeks after the 6 August meeting) President Davenport had not made any public statement about his intentions should the Board reverse its decision and offer him reappointment for a second term. In the meantime, the president is determined that the business of the University will go ahead with as little disruption as possible, despite the atmosphere of uncertainty.

Murder They Wrote

No one had ever written an overview of homicide in Canada, so U of A sociology professors Bob Silverman and Leslie Kennedy decided they would.

The result is *Deadly Deeds: Murder in Canada*, the first book in the Nelson "Crime in Canada" series.

Based primarily on Statistics Canada information, *Deadly Deeds* shows that shooting is the most popular means of killing in Canada — Canadians tend to use rifles and shotguns, while Americans favor handguns — and that shooting, stabbing and beating account for 85 per cent of all murders in Canada.

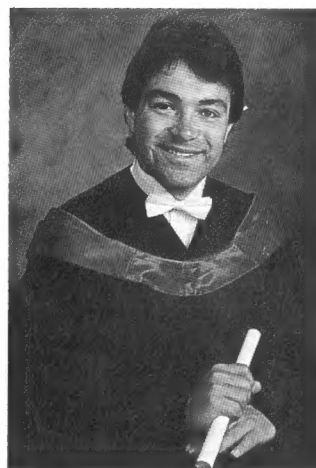
Some other interesting findings: the spousal homicide rate has been absolutely stable over 30 years; elderly victims of homicide tend to be victims in

theft-related homicide at a much higher proportion than would have been predicted; you have a far higher probability of being killed by someone you know than by a stranger; and the homicide rate among Indians has been, at various times, about 10 times the rate of the rest of the population.

The best news is that murder is relatively rare in Canada. Silverman says that, in general, within Canadian society "the value placed on human life is still very strong."

Native Graduates Make History

There were a total of 4,612 degrees awarded at the University's 1993 spring convocation. While each of them was special in its own way, two were significant in that they marked important milestones in the



MD Graduate Brisebois

University's attempt to meet the needs of Native students.

On 10 June 1993, Johnny Brisebois, a Mohawk Indian from Kahnawake, Quebec became the first Native to graduate from the MD pro-

gram at the University of Alberta.

"It's important that we, the Native community, begin to produce more and more Native health care workers to work in our Native-controlled health care facilities," says Brisebois, who won the Faculty of Medicine's first Darcy Tailfeathers Memorial Award in Medicine, named for a third-year Native medical student who was killed in a car accident in 1987.

On 14 June, Darcy Tailfeathers' cousin, Tim Tailfeathers, made history as the first student of aboriginal ancestry to earn a degree from the Faculty of Pharmacy and Pharmaceutical Sciences.

A Blood Indian from Cardston, the new pharmacy graduate says that he is looking forward to "talking to people and helping them" as a pharmacist.

Around and About

■ The first annual Sheffield Award for the best article published in the *Canadian Journal of Higher Education* in 1992 was shared by two U of A grads: **Steve Michael, '91 PhD**, who is an assistant professor at the University of Alaska, Fairbanks, and **Ted Holdaway, '66 MEd, '68 PhD**, a U of A educational administration professor. The award was made by the Canadian Society for the Study of Higher Education in Ottawa in June.

■ **Bill Taciuk, '54 BSc(Eng)**, recently donated a \$10,000 award he won to the Faculty of Engineering for the creation of a scholarship in mining, metallurgical and petroleum engineering. The sum was the monetary facet of the 1993 Karl A. Clark Distinguished Service Award which Taciuk won for inventing the AOSTRA Taciuk Process, used in the commercial production of bitumen from the Athabasca Oil Sands.

■ A major research project into the behavior of loose sand deposits will be based at the U of A and funded by the Natural Sciences and Engineering Research Council and a number of industry partici-

pants. Researchers from the Universities of Laval, Carleton, Sherbrooke and British Columbia will contribute their expertise to the project for which NSERC has committed almost \$1 million over three years.

■ U of A zoology professor **Larry Wang**, inventor of the Canadian Cold Buster bar, was elected to Fellowship in the Royal Society of Canada in June, the 58th U of A faculty member to become an RSC fellow. Wang is a world leader in research on regulation of metabolism in mammals.

■ The U of A will establish the second Canadian PhD program in rehabilitation medicine this fall. The U of A started the first MSc program in occupational therapy in 1986 and currently has one of only two Canadian MSc programs in physical therapy.

■ The largest number of Medical Research Council of Canada Scholarships awarded this year went to U of A medical scientists. The seven scholarships (out of 39 awarded in Canada) total more than \$11.2 million over three years. In

addition, two of 14 MRC Scientist awards were made at the U of A.

■ For the first time in 10 years former Edmonton Eskimo Warren Moon returned to Edmonton for a fund-raising dinner to benefit the Golden Bears football team. The Houston Oilers quarterback hosted "An Evening with Warren Moon" at the Edmonton Convention Centre and waived his usual \$10,000 fee for appearing, donating all proceeds to Golden Bears football.

■ A conference on intelligence engineering, the application of artificial intelligence to solve complex engineering problems, was hosted on campus in June. It attracted people from a broad range of sectors, including oil and gas, chemicals, and pulp and paper.

■ Animal science professor Frank Aherne and nursing professor **Olive Yonge, '74 BSc(Nu), '78 MEd, '89 PhD**, have won coveted 3M Teaching Fellowships from the Society for Teaching and Learning in Higher Education. Eleven University of Alberta faculty

members have won the Fellowships, tying with the University of Western Ontario for the most in Canada. This year the U of A was the only university to have more than one of its teachers honored.

■ The new president of the College of Family Physicians of Canada is David Moores, chair of the Department of Family Medicine and a U of A faculty member since 1984. The CFPC represents the interests and promotes the continuing education of more than 11,500 family doctors across Canada.

■ An innovative new knee brace is the award-winning design that earned first place for four U of A students in the 1993 Canadian Society for Mechanical Engineering student design competition. Louisa DeCarlo, Bryce Kalynchuk, Colin Paranchuk and Jeff Scott designed the device and built a prototype for a class project after mechanical engineering professor Fernand Ellyin noticed inadequacies in a knee brace his son had to wear while recovering from an injury and challenged his students to improve on its design as a class project.

C E L E B R A T I N G

Achievement

Each year the University and the Alumni Association recognize the accomplishments of members of the University community — students, staff and alumni — with a variety of awards and honors. *New Trail* is pleased to salute the winners of some of the major University and Alumni Association prizes as a way of celebrating the achievements of not only these individuals but a great many others who, through their commitment and attainments, have brought honor to our alma mater.

GLEND A SIMMS:
Not merely a spectator

On a sunny June day in Ottawa, Glenda Simms, '75 BEd, '76 MEd, '85 PhD, looks out the window of her office in the national capital and ponders how, on the following day, she will celebrate Canada Day 1993. The voice that advises the Canadian government on women's issues swells across the phone line, warmed by the tones of a Jamaican accent. "I'll probably stay home," she chuckles, "and watch it on TV."

On most days, the president of the Canadian Advisory Council on the Status of Women is not merely a spectator of the affairs of the nation. Simms has been the government's head adviser on women's issues since 1990, spearheading the Council's well-respected research and publication initiatives and working to make the CACSW better known to Canadian women. As the Advisory Council's president and chief executive officer, this year's recipient of a Distinguished Alumni Award from the U of A manages a staff of 44 and a budget of \$3.5 million.

In more ways than can be measured in kilometres her current position is a long way from the first job Simms landed after immigrating to Canada with her family in 1971. Having enhanced her Jamaican teacher's credentials with an education degree from the University of Alberta, Simms found employment with the Northland School Division in Northern Alberta,

teaching Native children in Fort Chipewyan.

Flouting the conventional wisdom that holds that one's academic credentials should be acquired at a variety of schools, when this distinguished alumna returned to further her education in succeeding years she completed both her master's and doctor's degrees at the U of A. "There was a kind of mythology that you shouldn't take all your degrees at one institution, but I think the importance of that is greatly overstretched," she says.

In praise of continuing at the University of Alberta, Simms recalls that she was "able to study things in much greater depth by remaining at one university. In terms of my own life experience, my university career prepared me very well for the things I want to do." There were also very practical reasons for staying at one University, as Simms has always balanced her career and her family. "I was a mother with young children, I didn't have a lot of money, I couldn't move around a lot," says Simms, a mother of three and now a proud grandparent of one young granddaughter.

Between periods of study Simms taught in the Native education department of the Saskatchewan Indian Federated College within the University of Regina. Her work with minority students continued through her employment with the Regina Public School Board, where she supervised race and ethnic relations. Immediately prior to her CACSW appointment, Simms was an education professor at Nipissing

University College in North Bay, Ontario, teaching Native Canadian education and educational psychology. (She is also a certi-

*Reports by Charlene Rooke
and Rick Pilger.*

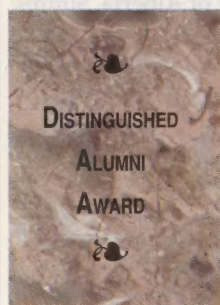


Glenda Simms

fied psychologist.)

The former teacher and professor says some of her favorite audiences for her frequent public speaking engagements are students. "It's really fulfilling to speak on university campuses," Simms says. "I feel energized by what I see there. A lot of young women are very aware of the issues and very actively involved with them." A national symposium held last year for young women, called "Widening the Circle," was the first event of its kind and one of the proudest achievements of her term as CACSW president, Simms says.

Another means by which Simms has reached a young audience is through the medium of video. With the help of grants from Multiculturalism Canada and the National Film Board she has produced and appeared as a speaker in several videos on race and culture. Her favorite, she says, is "Grandmother, Mother and Me,"



a six-part video on the lives of Canadian women from different ethnic backgrounds. "We need to use TV and the popular media, and make sure they are reaching the proper audience," says the woman who would like to make the CACSW a "household name" to Canadian women.

Her work with the Council combines her interests in exploring issues of racism, feminism and multiculturalism, Simms says. "The basic structure is there, and the issues all overlap." She is currently writing a book about racism and feminism in Canadian society, which she hopes will be

published before 1995, the year her term as president expires. Another goal she hopes to achieve before then is organizing a national symposium concerning women and health. "Those issues need to be on the government agenda in the next decade, in the next century," says Simms.

Simms is also helping to set agendas in her home country, Jamaica. In recent years she has returned there during the summer to conduct workshops on women's issues, both with senior ministers and administrators in the Jamaican government, and at the grass-roots level with Jamaican women. "I would love to do more international work," says Simms, who has recently travelled to Costa Rica and South Africa for conferences on the status of women and minorities. "There is definitely a role for Canadian women in that area of development."

Simms is pleased to note that since she left Jamaica women have taken on significant roles. "It's always good to see prominent women serving as role models for younger women," she says, acknowledging the debt women of the '90s owe to those who have preceded them.

On the subject of Canada's first female prime minister, Simms is "elated." She says, "It is not the end of the struggle for women, but it is definitely a highlight along the continuum of struggle."

And there will be further highlights along that continuum — Glenda Simms is committed to making sure of that. There's no way that she's prepared just to sit back and watch.

CAROLYN ANDERSON:

A million things she wants to do

Carolyn Anderson's summer job didn't come through Hire-A-Student.

Anderson, an Arts student at the U of A is a professional high diver, an unusual non-academic pursuit that has taken her all over the globe to perform in diving shows in the United States, Japan, Spain and Italy.

This summer she worked among a cast of colorful characters at the Mirabilandia Family Theme Park near Milan, Italy. Dressed as a clown, she performed a comedy routine that involved donning a water-logged sweatsuit and gasoline-soaked cape, being set on fire, and diving from as high as 25 metres — the height of an eight-storey building.

Speaking on the phone from Ravenna, Italy, Anderson said, "My life is so different in the summer. I'm in the world of performers, who are very different from academics."

Anderson, the 1993 recipient of the Alumni Association's Reginald Charles Lister Memorial Scholarship, is one performer with an impressive academic career. She began honors political science studies at the University in 1989, but since then has spent two semesters on an exchange in Wales, one semester on an exchange in Korea, and a summer learning French in Quebec. During her travels and studies she has acquired some French, Spanish and Italian, but Anderson modestly says, "I admire people who can be fluent in many languages at once. In Italy, I go to say something in Spanish and I just draw a blank."

Anderson believes that her travel experience has been excellent preparation for the career she hopes to pursue in foreign service or international law. In addition, she brings her cross-cultural awareness back to campus by helping other students through the International Centre, volunteering for an international development network, Bridges, and active membership in campus organizations such as Amnesty International and the Alternativa Club,



Carolyn Anderson

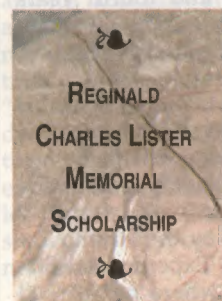
which raises funds to help students at a university in El Salvador.

Other students benefit from Anderson's international savvy through the information sessions and displays she helps present for the International Centre. She also helps counsel and interview those who hope to participate in international exchanges. "So many students come in in the exact same position I was in my first year at the U of A. They know they want to travel, but they're not sure where to go or what they want to do." Anderson says she tries to ask the students questions to learn about them and help them discover what type of international experience they would enjoy, then locate an appropriate program.

As for herself, the possibilities have not

yet been exhausted. "There are a million things I want to do yet!" says Anderson, citing a visit to a developing country, an intensive study of Spanish language and Latin American culture, a trip to China, and law school in Great Britain at the top of her list.

Anderson credits her family with supporting all her choices and regards her experiences so far as nothing but positive.



REGINALD
CHARLES LISTER
MEMORIAL
SCHOLARSHIP

"Even if something bad happens to me, I just step back and say 'It doesn't really matter.' Travelling has given me a sense of patience and a sense of humor." She adds that she has become "a lot more sociable" and likely to ap-

proach anyone she hears speaking even a fragment of English in a foreign country. Likewise, when she is on campus her ear is tuned to English spoken with a foreign accent so she can welcome visiting international students. "I understand what it's like to be in a foreign country and not be able to speak the language fluently."

Other ways in which Anderson contributes to campus life include volunteering with Student Services to help a blind graduate student, helping out at the astronomy observatory, and active membership in the ECO Campus Club, Debate Club, and an informal running group. A native Edmontonian who graduated from Strathcona Composite High School, Anderson lends her skills to the wider community through volunteering for the World Visions Film Festival and the Red Cross, even sporting the Billy the Blood Drop costume at community events.

On one hand she's a costumed performer, and on the other hand a serious scholar and academic. Anderson effortlessly blends the two, asserting that a sense of humor is a necessary part of her life. When she dons the clown suit to perform the comedy portion of a high-diving show, "That's the very best part. I live for that."

CHARLES BECK: An infectious enthusiasm

Charles Beck readily admits that knowledge in his subject area — the brain and behavior — is transient. Information is fragile and ephemeral, today's "facts" may be unreliable, and accepted theory may be invalid or quickly out-

dated.

"I get around the problem of teaching material that will self-destruct or that the students won't remember in a few years by teaching them to be self-instructors," says the Rutherford-Award-winning U of A psychology professor. He hopes that through the independent study he encourages his students will acquire not only perishable knowledge but enduring skills.

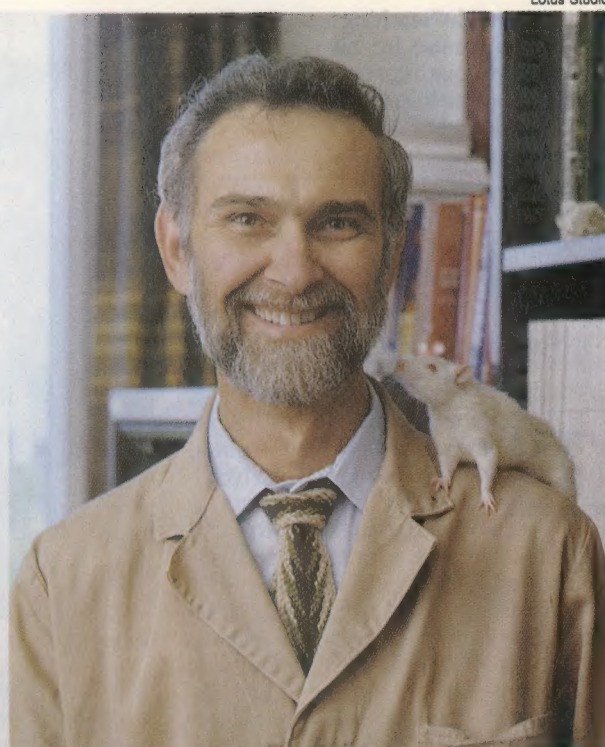
Beck's students develop research and composition skills by conducting library information searches and writing papers on subjects of particular interest to them or relevance to their field of study — whether it is how AIDS, alcoholism, or Parkinson's disease affects the brain. Through such projects Beck's students learn not only material specific to their particular course, but develop the underlying analytical, writing, and research skills applicable to any course of study. In addition, Beck says that by analyzing research materials on their own students become critical and skeptical of accepting inadequate or incorrect information.

Emphasizing general skills along with specific knowledge is a teaching approach that works particularly well for Beck in his "service-oriented" undergraduate psychology courses, which must satisfy the needs of students from a wide variety of academic backgrounds.

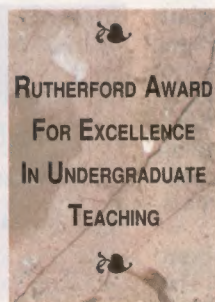
In his 23 years at the University, Beck has taught a variety of psychology courses, ranging from large introductory classes to small senior-level labs. For years he taught the only brain anatomy lab course offered outside the Faculty of Medicine.

Beck has previously received recognition for his fine teaching with the Faculty of Science Excellent Teaching Award in 1991. "Although his courses are demanding," says Associate Dean of Science Graham Chambers, "the way he presents the material, and the ways in which he involves the students makes the learning process exciting."

From a visit with the psychology professor it is easy to see why students find



Charles Beck



RUTHERFORD AWARD
FOR EXCELLENCE
IN UNDERGRADUATE
TEACHING

him such an engaging instructor. From the raw materials of a recent experiment — rats, Corn Puffs, and an ingenious feeding apparatus — Beck provides a colorful explanation, dotted with definitions, interwoven with layman's terms, and backed by the thread of his enthusiasm.

Infectious enthusiasm is a useful quality to have when teaching undergraduate courses, where interaction is difficult because of large class sizes and limited personal contact with individual students. Beck says that, over the years, he has developed an approach to deal with the limited opportunity for personal contact with students in his large undergraduate classes: "I treat them as graduate students who I don't see very much. Within limitations of time and resources, I ask the same things and I expect the same things as I would from graduate students."

Former student Lawrence Svenson, who pursued research as an undergraduate under Beck's guidance, says, "Dr. Beck is the best instructor I have had through the Faculty of Science. If it was not for [him] I do not believe I would have chosen the career path I am now choosing." Psychology colleague Jeffrey Bisanz says, "[Beck's] graduate students, as well as undergraduates who participate in research with him, have nothing but praise for his careful and supportive supervision."

Beck recognizes that he is part of a

University-wide "teaching team," and has nothing but praise for his campus colleagues in various departments, faculties, and facilities, such as the library. "With a student to teacher ratio of 90 to one, students learn more during the course of my class from other sources than they do from me. I'm the facilitator, the demander," says Beck.

CHUJI HIRUKI: Fascinated by plant disease

The call went out this April from the UN body's central office in Rome to its North American headquarters in Washington: "Get Hiruki."

Officials were sent scrambling and soon the phone was ringing in Professor Chuji Hiruki's office in the Agriculture and Forestry Centre at the University of Alberta. Hiruki's mission — should he choose to accept it — was to confront a menace striking at the heart of China: a virulence ravaging vast stands of timber critical to the economy of China's heartland.

Within weeks of being contacted by the UN's Food and Agriculture Organization, Hiruki was in China to observe first-hand the damage resulting from the remorseless spread of the "witch's broom" disease that is devastating the one variety of tree upon which Chinese agro-forestry is based.

In July, having just returned from a month in China, Hiruki was able to provide some background to the problem confronting that nation. About one third of China — the land from the middle part to the coast — has very fertile soil; however, it is extremely susceptible to wind erosion. "Because of that, the first thing the Communist Party did when it took over was to plant trees — as many as possible," explains Hiruki. Besides protecting the soil, the trees were to be a source of lumber.

To date, some 1.3 billion trees have been planted, and most are of one variety. The Paulownia was favored for two reasons: crops can be grown right up to its base, and it is fast-growing, producing a popular hardwood (the wood of choice for coffins in some Asian countries).

Unfortunately, China's massive initiative in wedding agriculture and forestry is now threatened by the witch's broom disease that stunts tree growth and damages the wood. Desperate for help, the Chinese turned to the FAO. Because it was known that the disease-causing agent was a form of mycoplasma (a genus of tiny organisms much smaller than bacteria and lacking a cell wall), Hiruki's name



Chuji Hiruki

quickly surfaced, for the U of A plant virologist is considered the world's foremost authority on mycoplasma diseases in plants.

Soon Chinese scientists will be arriving to work in his laboratory, and a plan of attack will be formulated. "The final goal will likely be the development of resistance," predicts Hiruki, whose international stature as an authority on mycoplasma disease is only one of the reasons that he won a 1993 Kaplan Research Prize at the University. Also cited were his work proving that fungi can act as a transmission vector for viruses; his involvement in the development of methods and techniques for a virus-free seed potato scheme (now applied in nations as distant as Poland); and his role in defining a new virus family, the dianthovirus group, officially recognized in 1981.

The eldest son of a Japanese farmer, Hiruki recalls spending "more time in the field than in my studies as a youngster," and becoming fascinated by plant disease. As a BSc student at Kyushi University he became eager to specialize in the study of plant viruses after reading an article written on the subject by one of his professors. The young Hiruki approached the professor hoping to begin study in this area, but was told that it was too soon for him to specialize. "Work hard at studying English," advised the teacher — there were then no Japanese texts on virus dis-

ease in plants.

Three times Hiruki returned to the professor only to meet with the same advice, but the professor eventually relented. "Finally I was permitted to do virus research in my third year," recalls Hiruki. "I spent my third and fourth years doing research on the tobacco mosaic virus, and as a result of this independent project I was able to produce a 200-page thesis for my BSc."

Following graduation Hiruki was promptly hired by the Hatano Tobacco Experimental Station, where he worked closely with farmers for 11 years.

Although a Fulbright Research Scholarship that took him to the U.S. to study biochemistry pointed him to an academic career, he has never forgotten the importance of applied research and the lessons he learned working with farmers.

After completing his PhD at Kyushi University, Hiruki returned to the United States, spending a year as a visiting plant pathologist at the University of California and another as an honorary fellow at Wisconsin. In 1966 he accepted an invitation from the University of Alberta to fill a virologist's position in plant science and to start a graduate program.

For the lecture that he delivered as part of the Kaplan Research Prize ceremonies, Hiruki focused on a single aspect of the work he has done in his distinguished career at the U of A: his work with the sweet clover necrotic mosaic virus.

In 1979 Hiruki, who was completing a survey of alfalfa, was about to return to his motel room in Athabasca, Alberta when he spotted a diseased seed clover.

"Without thinking I took a sample, and the next day when I tested it I got a very strange result," recalls Hiruki. The disease didn't match the data for any virus previously described. Intrigued, he studied the new virus further and found that it contained two pieces of RNA, one long and one short, and both had to be present to cause infectivity. Later, through interchanging RNA strands, Hiruki was able to show that the virus infecting his clover sample was of the same family as two other viruses that were not before suspected to be related — one that affected carnations in England, another found in red clover in Czechoslovakia.

This work not only resulted in the iden-



tification of the dianthovirus group, it introduced the use of genetic information as a basis for virus classification. Now, Hiruki hopes to take this work one step further, to see if the virus's genetic material could be manipulated to make it a carrier of useful genes.

Despite the varied demands resulting from the world-wide interest in his work, Hiruki remains an enthusiastic teacher, and his laboratory attracts students from around the world. His students remember not only his lucid and well-organized lectures but his concern for their welfare. "He consistently tries to challenge his students and research fellows and teaches them how to become independent learners and to apply their knowledge in problem-solving situations," wrote one former student in support of Hiruki's Kaplan nomination.

For Hiruki's part, he continues to find his work rewarding. "My job is my hobby. I really enjoy my work," he says.

HUGH CLIFFORD: A fondness for his subject

Dean of Science Richard Peter speaks for most people when he says "snails, slugs, worms and other creepy crawlies are not an immediately attractive subject."

However, when the subject is taught by U of A zoology professor Hugh Clifford, invertebrate zoology develops a certain appeal. Students and colleagues who supported Clifford's nomination for the Rutherford Teaching Award that he won this year agree that the popular teacher has a particular knack for getting students to warm up to invertebrates.

Since joining the University faculty in 1965 Clifford has become known among students and colleagues for not consulting notes during his lectures. As one admirer has said, "Hugh Clifford does not lecture from notes. He does not publish his notes for students nor does he place a photocopy of his lectures on reserve in the library. He lectures from his head and his heart."

Clifford is the author of a popular textbook, *The Freshwater Invertebrates of Alberta*, illustrated by his wife, an artist, and published last year. Yet his teaching style doesn't rely on textual material. One former student says: "[We] found that Dr. Clifford's ability to speak without referring to notes made his lectures less the dry stuff of textbooks, and more a living body of knowledge."

Working without notes makes lectures look deceptively easy, says the soft-spoken

professor, who prepares extensively before each lecture with notes he updates every year. Early in his career, Clifford lectured directly from notes but found them getting in the way. "I found that I was spending a great deal of time finding my place in my notes, and I lost contact with the students when I did that," he says. His confident lecturing style also helps Clifford win over his students early in the course. And Clifford believes that to be important: "If the students don't have confidence in the instructor, you can spend a whole year teaching and they won't learn anything."

Clifford particular interest is stream ecology, and he has spent many hours during his 30-year career as an invertebrate zoologist studying a brown-water stream near Chip Lake, just west of Edmonton. His years of familiarity and fondness for the subject rub off on his students. "He illustrated almost every group of invertebrates with anecdotes of personal encounters with the creatures, and spoke of their lives with evident enthusiasm and affection," one student remembers. "It was this enthusiasm that fired my own interest in invertebrates." Clifford was himself influenced by a former chair of the Zoology Department. In discussing his interest in teaching, the Rutherford Award winner pays tribute to J. Ralph Nursall, who retired in 1988. "I think most of us, as new staff members in Zoology, were influenced by his commitment of excellence in teaching."

As those who nominated Clifford for the Rutherford Award agree, being an excellent teacher means passing on enthusiasm and appreciation as well as knowledge. Students tell Clifford that he has inspired some of them to major in invertebrate zoology, and "it is doubtful that anyone has completed Dr Clifford's course without having an appreciation of the diversity and importance of the world's invertebrate fauna," one



Hugh Clifford

student says.

Since 1984 graduating honors zoology students have been asked to evaluate the department's courses and instructors. John Holmes, current chair of the Department of Zoology, says that there is a strong tendency for students to rate courses in their major interest the highest, but even students who do not choose to major in invertebrates rate Clifford's courses very highly. "He is cited by about half the graduands as the 'best' professor they experienced during their entire undergraduate program," Holmes says.

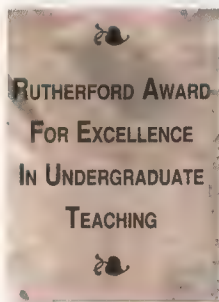
MARNEE VAN BAKEL: Satisfaction from helping others

Marnee Van Bakel characterizes herself as a "people person" who has always been particularly drawn to children.

The 1990 graduate of Harry Ainlay High School in Edmonton aspired to become a physician but also wanted to be a mother, and she knew that would be difficult. Indeed, the advice she received from several people was unequivocal. "You can't have kids and be a doctor," they said.

She had to make some decisions.

Today, Van Bakel is pregnant with her



first child, which is expected in October, and aspires to be a child psychologist. She and her husband want to have a large family, and Van Bakel hopes to combine that goal with the demands of a career as a health professional.

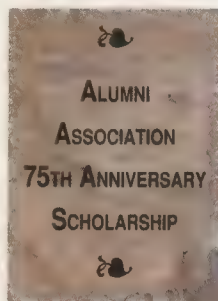
"I have always envisioned having my practice in my home, so I could be near my family," says the 1993 winner of the Alumni Association's 75th Anniversary Scholarship. She plans to resume university in January to complete her final year towards a BSc degree in psychology and hopes eventually to complete graduate studies in educational psychology, specializing in counselling children.

"I like working with people, helping people, and children have so much potential," says Van Bakel. "There's more hope for children, so in a sense it's even more important to help them."

During her years on campus, Van Bakel's desire to help people has been an enriching experience both for her and the University community. As a volunteer counsellor for Student Help she deals both on the phone and in person with students in crisis. Van Bakel welcomed the challenge of functioning in a high-stress situation such as manning a crisis line. "I volunteered [at Student Help] in my first

year and wasn't accepted," she recalls, "and now I see why. You don't understand or expect the stresses of university before you've completed your first year."

Van Bakel heartily endorses the mentor-cohort group established by the Faculty of



Science to help students over their difficult first year. The program matches a first-class undergraduate with a group of first-year students having similar academic interests. The group Van Bakel led for the past year met continuously through the year, "just to talk, and to make the whole experience less overwhelming for new students." The experience also helped the mentor, who says she was previously intimidated by groups. "I've always been much better at one-on-one," says the future counsellor.

Van Bakel has enjoyed a "one-on-one" experience provided by another volunteer activity, the Canadian Mental Health Association's Community Friends program, in which a volunteer is matched with someone with similar interests who is suffering from a mental illness. Van Bakel and the friend with whom she was matched a year ago have built a comfort-



Van Bakel

able relationship. "I wanted to get to know the human side, rather than the clinical side of the mentally ill," says Van Bakel, adding that she has learned a lot through the experience and dispelled some misconceptions she had. "I have a lot of respect for the people in the program, who are really trying to hold their lives together," she says.

For the past year, Van Bakel has worked part-time as a personal aide, providing companionship, light housekeeping, and help with everyday tasks to homebound persons, such as the disabled and elderly. Fortunately, it's a job that will allow Van Bakel to combine mothering and working. "I'm looking forward to taking the baby with me sometimes — some of the elderly people I visit can't wait until I return after the baby is born."

Van Bakel's achievements are a demonstration of the kind of sharing, intellectual and otherwise, at the heart of the university ideal. Self-supporting since the age of 16, she is putting herself through University with the help of student loans and now the 75th Anniversary Scholarship, but all the while helping others. "Nothing gives me greater satisfaction," Van Bakel says, "than trying to help others."

JOSEPH CHARYK: An interest in flight

In 1963 when Joseph Charyk, '42 BSc(Eng), '64 LLD (Honorary), left the U.S. Air Force, a grateful Department of Defense honored him with the Distinguished Service Award, recognizing "exceptionally meritorious service" to the Government of the United States as chief scientist, assistant secretary, and undersecretary of the Air Force.

Then only 43 years old, Charyk could already look back at accomplishments sufficient to distinguish an entire career. But the native of southern Alberta — he was born in Canmore and grew up in Lethbridge — didn't choose to spend a lot

of time looking back. Instead he took on new challenges and met them so well that in 1987 he received another honor from the government of his adopted country.

This time it was the National Medal of Technology, awarded at a White House ceremony attended by then-President Ronald Reagan and future president George Bush. In presenting the award, Reagan cited the U of A grad's leadership in employing the concept of the geosynchronous communications satellite system as the basis for the global telecommunications initiative established by international agreement and for his guidance of the growth and development of the INTELSAT system, which today serves 160 nations and territories.

Charyk, who will receive a 1993 Distinguished Alumni Award from the Alumni Association this fall, was fascinated by airplanes as a youngster, and he brought an interest in high-speed flight to the University, enrolling in an engineering physics program as preparation for a career in aeronautical engineering. "Engineering physics seemed like the right thing that would give me the background in the basic sciences and at the same time give me some of the fundamental engineering, and the thought was that I would do that and then go on to graduate school," recalled Charyk recently, speaking over the phone from his home in Falmouth, Massachusetts.

After graduating from the U of A, Charyk wasted little time in heading south to the California Institute of Technology, where he eventually earned a PhD in aeronautics, *magna cum laude*. He stayed on at Caltech, instructing aeronautics and working in the Jet Propulsion Laboratory, before crossing the continent in 1946 to accept a faculty appointment at Princeton University, where he helped establish the Guggenheim Jet Propulsion Laboratory.

In 1955 he left Princeton to become director of Lockheed Aircraft's aerophysics and chemistry laboratory, but soon moved on to a Ford Motor Company subsidiary, Aeronautica Systems Inc., as director of the missile technology laboratory and later general manager of the space technology division.

In 1959 Charyk took a year's leave from Aeronautica to serve as chief scientist for the Air Force. Six months later he resigned his industry ties to accept presidential appointment as assistant secretary for research and development. In another six months, he was named undersecretary — the number two position responsible for all activities of the Air Force. When the Kennedy administration took office Charyk prepared to step down but was asked to stay for a transition period. With one thing and another —

including the Cuban missile crisis and the assassination of Kennedy — Charyk served until March 1963.

When Charyk left the Air Force a new challenge was presented to him. In February 1963 COMSAT — the Communications Satellite Corporation — had been incorporated in the District of Columbia to pioneer the commercial utilization of space, and Charyk was to become the venture's founding president.

"Live via satellite" is a phrase we now take for granted. We are accustomed to having in our living rooms a window to events unfolding continents away. We witness the pageantry of a royal wedding,

the joy and agony of sporting events, and the grimmer reality of war without giving much thought to the technology that makes our vicarious involvement possible. But for Joseph Charyk, who knows better than anyone else how that technol-

ogy came to be, the smooth development of satellite communications remains something to marvel at.

Under Charyk's hand COMSAT played a leading role in ushering in the age of satellite communications and establishing international standards based on a system of geosynchronous satellites — satellites placed in that "magic" orbit 37,000 kilometres above the equator so that from the earth they are, in effect, stationary.

The dozen-or-so major awards that Charyk has received in the past 25 years testify not only to his personal achievements but to the varied uses to which satellite technology has been put. These awards include the 1974 Television Arts and Science Directorate Award, recognizing outstanding achievement in international television communications; and the American Institute of Aeronautics and Astronautics' 1978 Goddard Astronautics Award, acknowledging Charyk's outstanding contributions to the development of satellite communications and leadership in their operational application to international, domestic and maritime services.

Now that he has more time for reflection — he stepped down as COMSAT's chairman in 1985 but still has an office and secretary there — Charyk recalls with particular satisfaction the early days of the venture, when he met with representatives of nations around the world to tell them about communications satellites and



Joseph Charyk

obtain their concurrence and financial support for a global venture. "We put together at that time a joint venture of 50 or 60 countries that all contributed money. That was sort of unprecedented in international joint ventures — to get everybody putting up part of the money and paying their bills," says Charyk.

The distinguished U of A grad has also had time to reflect on the changes wrought by satellite communications technology and believes that increased access to information has been a powerful agent of change in the world: "I think the flow of information in a free and simple way made possible by communications satellites and current developments in computers and video recorders was really in many ways responsible for what has happened in Eastern Europe and the former Soviet Union. A closed society can't stand a massive flow of information."

ROWLAND McMASTER: Drawn to Victorian prose

Close at hand on the crowded bookshelves that dominate Rowland McMaster's office is an edition of Chaucer's collected works that speaks volumes about McMaster's 35-year career as a teacher and scholar of English literature at the University of Alberta.

It has already made one trip to the bindery and wears a cheerful red cover, now taped and patched. Inside, the pages are loaded with marginalia, comments first written in pencil and then repeated in ink, as if to corroborate each notation. It reads like a diary, revealing something about the time, place and thoughts of the

careful reader and writer who perused its pages.

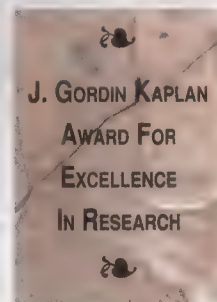
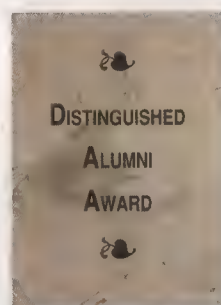
"Chaucer is the most delightful course to teach," says McMaster, who received a 1993 Kaplan Award from the University in recognition of his distinguished research career. The professor, who gets into medieval character to treat students to Chaucer readings and even songs, boasts that "Chaucer is more performable and humorous than almost anybody in English literature — besides Dickens."

If McMaster seems to be sticking up for Charles Dickens, well, he's been doing it for most of his life. He has been drawn to Victorian prose, Dickens in particular, ever since he was a child captivated by some Dickens editions discovered in a late uncle's mouldy steamer trunk. But the Kaplan Award winner gravely recalls that while at the University of Toronto in 1949, he was told that Dickens was "a very bad thing, tasteless, perverse, unmodern." Nonetheless, he stuck to his own preference and chose the Victorian humorist as the subject of his doctorate, just as the intellectual tide was turning.

"Victorian studies really only started going in the '50s and '60s, then really became a major enterprise," McMaster explains. "Dickens is one of the biggest industries going on now in literature, but he wasn't when I started. At the time, people rather questioned why you were working on a stuffy old Victorian author."

Recalling how unfashionable Dickens once was, McMaster cites a research trip to England he made early in his career to study the extensive collection of notes Dickens made while writing each of his novels. It was like discovering a gold mine. "Hardly anybody had looked at the stuff. Dickens was so unremarkable that you could walk in the library, ask to look at one of the original manuscripts, and it was plunked down in front of you." He marvels that as a young scholar he was left alone in a room with material today considered priceless treasure and kept under lock and key.

The "stuffy old Victorian author" has endured, and so has McMaster's Dickens research. A student edition of *Great Expectations* that McMaster edited in 1965 is still in print and in use — complete with his original introduction. One authority has commented, "By 1962 [McMaster] had published five essays on Dickens that exerted more influence and authority than



IVAN HEAD, '51 BA, '52 LLB

Ivan Head's triumphs as a star on the Golden Bears track team were only the starting blocks for a distinguished career. Now a professor of law and political science at UBC, the Calgary native has received worldwide recognition for his achievements in law, foreign affairs, and international development.

Head, who set or shared 12 Alberta track and field records by the time he left the U of A in 1952, practised law until 1959, when he went to Harvard Law School on a scholarship and obtained a master's degree. After serving as a foreign service officer for three years in Ottawa and Kuala Lumpur, Head returned to the U of A to become a law professor.



In the decade from 1968 to 1978 Head was a key international affairs adviser to Prime Minister Pierre Trudeau.

His legacy includes the movement for Arctic environmental protection, the denuclearization of Canadian Forces in Europe, the establishment of diplomatic relations with China, and heightened world awareness of the growing economic disparity between North and South. Before going to UBC in 1991, Head was president of the International Development Research Centre in Ottawa for 13 years.

Five universities have awarded honorary degrees to Head. Other honors include the Order of Canada, inclusion in the Global 500 Honour Roll of the UN, and fellowship in the World Academy of Art and Science.

PATRICIA JACKSON, '60 BPE, '62 BED, '67 MA

Patricia Jackson's accomplishments as an undergraduate at the U of A gave a glimmer of insight into the career that was to follow. A valued member of the Pandas volleyball and basketball teams, she won the Bakewell trophy as the most outstanding woman athlete, and for her organizational accomplishments was awarded a coveted Gold Key Society blazer. On the executive, and later as president, of the Women's Athletic Association, she worked tirelessly to secure a wider range of opportunities for women in sport.

As a respected educator, coach, and advocate for women in sport she has continued to fulfil the promise of her early accomplishments. Her teaching career began at the University of Saskatchewan and, following

an interruption to complete her master's degree, she returned there and was assistant dean of athletics by 1978. Her exceptional coaching career with the Huskiette basketball team from 1964-85 resulted in a 410-281 won-loss record. Under her leadership, Saskatchewan teams were Western Intercollegiate champions in 1965



and 1971, and for several years during the late '60s she coached the national women's basketball team.

Jackson was actively involved in the formation of the Canadian Women's Intercollegiate Athletic Union, which gave her its Honour Award in 1978, and was later active in the amalgamation of that organization with the Canadian Intercollegiate Athletic Union. She has been a consultant to Basketball Canada and received an Award of Honour from Basketball Saskatchewan in 1985.

JOHN PRIMROSE, '65 BPE, '66 BED, '71 MSc

Although he has had success as a scholar, an educator, and a businessman, John Primrose is best known for his phenomenal record as a trap shooter. He has won gold medals twice each from the World Championships and the Commonwealth Games and attended nearly 50 national and international trap shooting competitions — including no less than six Olympic Games — in 25 years on the national team.

Primrose arrived at the U of A after moving from Ottawa to Edmonton as a teenager. Following the example of his father, a long-time competitor in figure skating and trap shooting, Primrose took up shooting in his mid-teens. He won the 1960 Alberta Junior Golf Championship while a high school student and competed on the Golden Bears' golf, volleyball, and badminton teams while an undergradu-



ate. After teaching and coaching at Edmonton's Westmount Junior High he returned to the U of A to pursue graduate studies in respiratory physiology and worked in that field for several years.

Primrose's many talents sometimes converge, as they did in 1978 when he carried the Canadian flag at the Commonwealth Games, enjoyed a gold medal trap shooting victory, and also served as chairman of the shooting committee for those Games. A further contribution to sport in Canada was his stint on the Canadian Athlete's Advisory Council representing shooting sports.

A member of the Canadian and Canadian Amateur Sports Halls of Fame, Primrose was awarded membership in the Order of Canada in 1985.

ANDREA BORYS, '62 BPE, '63 BED

Although her career in athletics has taken her to far-flung destinations such as Cuba, Italy, Brazil and Columbia, Andrea Borys has always returned to the U of A, where she is now the associate dean of education.

A native Edmontonian, Borys excelled in basketball and volleyball in high school and at the U of A. After completing an MSc in Oregon she taught and coached at a Calgary high school and later at the University of Calgary, where she was director of women's athletics. In 1975 she returned to the U of A, accepting a joint appointment to the Faculties of Education and Physical Education. During a leave, she completed a doctorate in education at Columbia University in 1982.

Borys's achievements in athletics include playing on Canada's national volleyball team at the 1967 Pan American Games, coaching the Canadian women's volleyball team at the 1970 World University Games, and managing the Canadian women's basketball team from 1969-71.

As an educator she has been a leader in the Alberta Teachers' Association and written a wide variety of papers on education and teaching. Her contributions have been recognized with the Breakthrough Award for leadership in providing equality in women's athletics, the Alberta Teachers' Association's Distinguished Service Award, the Honour Award of the Canadian Women's Intercollegiate Athletic Union, and a Government of Alberta Achievement Award.



SPORTS WALL OF FAME AWARDS



Rowland McMaster

any half-dozen books." U of A English department chair Shirley Neuman says that 35 years after publication these essays are still frequently cited by scholars.

Neuman says that at least part of the reason McMaster's work has endured is because "he has always done intellectual history. As the discipline of Victorian studies has changed, it has expanded from a focus on textual analysis to include large cultural, intellectual and historical concerns. What Rowland has been doing all along is exactly like the very best scholarship being done today as the latest thing."

In recent years McMaster has applied a historical perspective to Dickens's contemporaries Thackeray and Trollope and the politics, law, and intellectual and social milieu of their day. While writing *Trollope and the Law*, McMaster became such an expert in 19th-century legal history that Lord Patrick Devlin, a retired British Lord Justice of Appeal, wrote in the *Times Literary Supplement* that in the book McMaster "leaves no legal point without skilful elucidation."

McMaster's most recent work has been on Thackeray's *The Newcomes*. The U of A professor has written a book, *Thackeray's Cultural Frame of Reference*, as well as a historical introduction and literally thousands of annotations about this novel, sometimes described as "the richest of all Victorian fictions."

Throughout his career as an English scholar, McMaster has actively served his profession. He was an early president of the Association of Canadian University Teachers of English, and in the mid-'80s,

he was an acclaimed editor of the Association's journal, *English Studies in Canada*, a publication he had himself helped found in the early '70s.

A perennial keystone of the University's English department, McMaster arrived just as the idea of establishing graduate studies in English was coming to fruition, and was designated chair of the committee in charge of shaping the new program. "We put together a first-class program that exploded hugely in the '60s. People came from all over the world for it, and it was a terribly exciting time to be at the University," recalls McMaster.

McMaster taught one of the first graduate courses offered in English at the U of A, and that experi-

ence changed his life in an unexpected way. One of his first students was a talented scholar and athlete who went on to become the University's first English PhD graduate, a distinguished Victorian scholar, a Royal Society of Canada fellow, a Killam fellow, a Guggenheim fellow, the holder of a prestigious "university professor" appointment—and McMaster's wife (Juliet McMaster, who also teaches English at the University). In his Kaplan Award speech, McMaster joked: "Wherever we are there is a 24-hour-a-day staff meeting and scholarly discussion going on."

The McMasters' partnership is one factor that has kept them in Edmonton over the years. The constant infusion of talented scholars and students into the English department has also kept it an exciting place to be teaching and learning, McMaster says. "The fun of teaching keeps me here. There's no better job going than having all these brilliant young people around whom you can argue with."

A student of McMaster's long before she became English department chair, Shirley Neuman recalls, "For him, the distinction between teaching and research is entirely spurious. He's always taught through his research, and much of his research has sprung from his teaching."

This year will be McMaster's last as a full-time faculty member at the University, as he is slated for mandatory retirement in 1994. One English department colleague has said that "whatever benefits compulsory retirement may bring the University, in this case it brings un-

mitigated loss."

The jovial McMaster is noncommittal about his retirement plans and doesn't rule out the possibility that he might try his own hand at writing the Great Novel: "If you consider the great English novelists," he confides, "many of them were pretty long in the tooth when they started."

BETH RICHARDSON:

A natural for an international vocation

There just might be a secret to Beth Richardson's success.

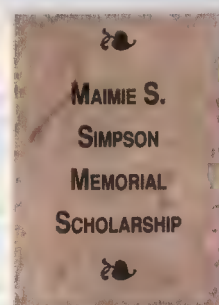
Richardson, a fourth-year Arts student at the University of Alberta, excels at academics, has travelled extensively, speaks four languages, and has made exceptional contributions through a wide variety of paid and volunteer work on and off campus. These achievements might be at least partly credited to one extraordinary factor: despite her busy schedule, she somehow manages to get at least 10 hours of sleep a night.

"I have to, or else I fall asleep in the middle of anywhere," laughs Richardson, who is the 1993 winner of the Alumni Association's Maimie S. Simpson Scholarship.

It might well be permanent jet lag — the well-travelled 20-year-old student has spent a remarkable amount of time abroad. And she has made the most of her time spent touring and on student exchanges to learn to speak French, German, and Russian. The last is the minor she's chosen to complement the political science major she'll graduate with next spring. After that, she hopes to draw upon her varied experiences in a career serving Canada in the diplomatic corps or working with the United Nations.

Richardson's contributions to the campus community make her a worthy emissary of the University. She volunteers for Disabled Student Services, reading notes onto audio tapes to help blind students. She has worked as a *Gateway* reporter, and participated in the debating and co-recreational gymnastics clubs. A fan and friend of local theatre, Richardson has volunteered at Edmonton's annual Fringe theatre festival for several years, as well as at Chinook and Stage Polaris Theatres.

Her interests would suggest that the



multi-talented student could choose from a plethora of career options. And considering her background, she's a natural for an international vocation.

Richardson was born in Germany, where her Canadian parents were stationed at a military base. Soon after, the family moved back to Canada, but Richardson, who had attended a French immersion school in Canada, returned to Germany for a year during high school.

During this private exchange with a German student, the aspiring diplomat was in the right place at the right time for a climactic event in international relations: she and her class from her school in Invernham, West Germany were visiting East Germany when the Berlin Wall

Lotus Studio



Beth Richardson

fell in November 1989. "It was kind of a dangerous time to be travelling as a West German in East Germany," recalls Richardson, who was the lone international student in her class. Although East Germans had free access to the West after the Wall came down, Richardson says the West German students were temporarily detained when the border was closed to them for a few days. "We weren't sure if we were going to get out," she recalls.

Richardson completed high school and one year at the U of A before undertaking another exchange, to the University of Dundee, in Scotland. During that year she travelled in Ireland, Eastern Europe, Russia, and Northern Africa. The seasoned tourist says the ideal trip is one where the traveller makes an effort to become immersed in another culture and have experiences off the beaten track — the "non-

touristy" parts.

For instance, Richardson was determined to purchase a violin during her visit to Russia, where musical instruments are subsidized by the government. She searched all the "non-touristy" parts of Moscow and St. Petersburg, with no luck. Instead, the versatile student is learning to play a clarinet which she purchased for a song.

Although Russia remains her favorite destination, a visit to Morocco also affected Richardson deeply. "Moroccans would ask me 'How do you like your first visit to the Third World?'" she recalls. "I got the impression that they assumed we thought it was a novelty." That trip strengthened Richardson's belief that the purpose of travel is in learning how others live, not showing them how we live. "People in the first world have this mentality that you need running water to be civilized. It's a real problem."

Richardson believes foreign relations can help modify Canadians' attitudes. "I think foreign policy is very closely related to domestic policy. If you can effect change on the international scene, it will effect change at home," she says with conviction.

Richardson spent the past summer in Edmonton, studying and working as a waitress. One of the local establishments she has worked at is a German restaurant, where she keeps her skills in that language sharp through talking with patrons. She has also worked at a Thai restaurant, but the multilingual student admits with a laugh that all the language she picked up there were "just the words on the menu."

MICHAEL JAMES: A crystallography pioneer

Michael James is an outstanding scientist who is happiest and at his best in the lab with his students and postdocs."

That comment, which comes from William Bridger, chair of the Department of Biochemistry at the University, was made in support of the University's recent elevation of James, a professor of biochemistry, to the prestigious appointment of "university professor."

James concedes the preference for the laboratory. The scientist whom Bridger describes as "one of the real stars of the University of Alberta" points to a desk that seems ready to buckle under haphazard layers of books and papers and reveals that he is not, never has been, and never will be a candidate for an administrator-of-the-month award.

James has a preoccupation with order, but that (obviously) has nothing to do with the top of his desk. What preoccupies him is the orderly arrangement of atoms within enzymes and proteins. A pioneer in the field of protein crystallography, James established the first Canadian laboratory devoted to that pursuit (at the U of A in 1968). Since that time he and his students have described the three-dimensional structures of many enzymes

and other proteins that are of profound scientific interest and may lay the framework for new classes of therapeutic agents.

The work of the new university professor has not gone unacknowledged. In 1988, James received a

University of Alberta Research Prize (now known as the Kaplan Prize) and the following year he was elected into fellowship in the Royal Society of London — only the third U of A faculty member to be so honored, and the first from the Faculty of Medicine. Last year the Canadian Federation of Biological Societies presented him its G. Malcolm Brown Prize, an honor dispensed only once every three years.

The awards recognize James's meticulous and inspired work in employing the techniques of x-ray crystallography to map the chemical structure of proteins. (X-ray crystallography provides information about the three-dimensional arrangements of the atoms in a molecule through the diffraction patterns formed by x-rays passed through a crystal of the molecule.)

In 1989 James led a U of A team that received world-wide attention when it determined the structure of renin, an enzyme that plays a key role in the early development of high blood pressure. This discovery is regarded as being a major step which takes scientists closer to the development of drugs which treat hypertension by inhibiting the action of renin.

"The things we are doing now are open-ended," said James in an interview this spring, shortly after he received word of his appointment as a university professor. (The appointment took effect on 1 July 1993.)

One project that's high on his agenda concerns an enzyme that is produced by bacteria and nullifies the antibiotic effects of penicillin. James describes this enzyme, which has the name beta-lactamase, as a missile that the bacteria makes to shoot down the penicillin. What's needed, he says, is an "anti-missile missile" — an





Michael James

inhibitor that will block out the resistance factor so that penicillin can be used once again to destroy the bacteria.

James points out that when penicillin was introduced in the early 1950s a certain few bacteria — but only a few — continued to grow even in high concentrations of the drug. Today, he estimates, if a great many bacteria were isolated, 90 per cent would prove to be immune to the effects of penicillin.

James's lab has already determined the structure of the beta-lactamase that makes the *E. coli* bacteria penicillin-resistant (the work was done by **Natalie Strynadka**, '83 BSc, '90 PhD, a J. Gordin Kaplan postdoctoral fellow), and investigations are now taking place using a mutant form of beta-lactamase which breaks a bond in the penicillin molecule while remaining stuck fast to it. The molecular complex formed by the fixing of the beta-lactamase to the penicillin is now being crystallized and its structure studied.

"We now want to use this information to try and design inhibitors that will block out the resistance factor that destroys this class of antibiotics, so that penicillin can be used once again to destroy the bacteria," says James.

The respected protein crystallographer first became intrigued by the possibilities of using crystallography to determine a molecule's appearance while an undergraduate chemistry student at the University of Manitoba, and he did his master's degree there in the geology department — at that time the only department offering graduate instruction in crystallography at that institution.

James became familiar with the structure of penicillin while a student at Oxford University in the early 1960s. There he worked on the structure of a semi-

synthetic penicillin molecule in the lab of Dorothy Hodgkin and was a member of her group when she won the 1964 Nobel Prize in Chemistry.

A native of Vancouver, James came to the U of A in 1967 to work as a postdoctoral fellow in the Department of Chemistry, where he did x-ray crystallography with David Hall and Raymond Lemieux. In 1974, having by this time moved to the Department of Biochemistry, he was part of the Group in Protein Structure and Function established at the U of A by the Medical Research Council. That same year, he accomplished the first protein structure determination in Canada.

Three years later, his group gained international attention when it was the first in the world to obtain the structure of the enzyme penicillopepsin. Another important breakthrough from his lab was the determination of the structure of troponin C, a protein that is an important regulatory component of muscle.

James says that the work done in his lab is not necessarily directed towards a particular disease. "We're working on a series of biochemical systems and ultimately each of these small projects will be important in understanding the over-all story."

And, he says, noting the increased emphasis being given to clinical work, "What we're doing may not have direct clinical application but as we understand the fundamental chemical function of molecules, this knowledge will apply to the health care field."

MARGARET ANDREKSON: More than just a friend

The people associated with the University's museums and collections know **Margaret Andrekson**, '49 BA, '87 LLD (Honorary), as a "friend" — a member of the Friends of the University of Alberta Museums. In fact, Anderson was a founding member of the museums' Friends and served as the group's first president.

But she is a friend to the University in a much broader sense as well. Few people have given more freely of their time, talents and energy in support of the University than has Andrekson, and this will be recognized at Reunion Weekend this fall when she receives the Alumni Association's Alumni Golden Jubilee Award.

When Andrekson accepted appointment to the University's Board of Governors in 1974, she brought to the Board a wide experience of organizational structures and procedures and an informed



Margaret Andrekson

opinion of the way in which the public viewed the University.

In the early 1960s she had been a member of the steering committee that prompted the establishment of the

Native Friendship Centre in Edmonton. Active in the Junior League of Edmonton, from 1969 to 1971 she served as first vice-president of the Association of Junior Leagues Incorporated, headquartered in New York. She had also served

on the boards of the Edmonton Symphony Society and of the Women's Society of the Edmonton Art Gallery.

During her tenure as a Board member, Andrekson served as chair of the Board's academic concerns committee and worked hard to foster an understanding within the academic community of the role of the Board. She also contributed to the work of the University Senate, as a Board representative to that body.

Her involvement with the University continued after she left the Board and Senate, and she was active on the board of the 1983 World University Games, having responsibility for all cultural programs associated with Universiade '83. (Earlier she had chaired the special events division for the 1978 Commonwealth Games.) She also managed to work in a term on the board of the University of



Alberta Hospitals.

In 1984, after having served as a member of the University Collections Committee and of the University's Art Acquisition Committee, Andrekson was instrumental in the founding of the Friends of the University Museums.

Needless to say, the Alumni Golden Jubilee Award winner is a strong believer in the value of volunteer efforts in the community. "I see the voluntary component of any community as being one of its greatest strengths," she says.

ANDY LIU:
A never-ending search

Andy Liu is a math professor with a reputation, and not for the mental torture and intellectual pain many of us associate with math lessons.

In fact, Liu is in such good standing with students that they often enrol in his classes because they've heard good things about him. As Tom Lassu, a recent graduate of the Faculty of Engineering, puts it: "[Liu's] reputation as an excellent instructor is the reason for which students such as myself are willing to rearrange an entire term schedule in order to attend his lectures."

The business, education, engineering, science, and arts students who take Liu's math classes also say that his joviality and accessibility are drawing cards. The math professor, who recently received a 1993 Rutherford Teaching Award, is known for a quirky sense of humor, which is apparent in his constantly smiling countenance and even in his office, where the desk is covered with a variety of mathematical puzzles and games, and two filing cabinet drawers are labelled "Top Secret" and "Bottom Secret."

Noting that Liu routinely gave out his home phone number as a mathematics crisis line, one student says, "Never have I known a professor to be so flexible in his dealings with students, regardless of when or why we needed his help."

A top math student while he attended high school at Hong Kong's New Method College, Liu studied mathematics at McGill University before coming to Edmonton to complete grad studies in mathematics and a diploma in education. Even



Andy Liu with students from his math club

outside the classroom he is devoted to mathematics. Since coming to the U of A as a faculty member in 1980, Liu has founded a mathematics club for interested elementary and junior high school students. He also produces *Postulate*, a mathematics newsletter intended to stimulate interest in mathematics among high school students and to provide their teachers with material to draw upon. Further to his pursuit of excellence in mathematics, Liu is a volunteer organizer and administrator of mathematical competitions at the provincial, national and international levels.

Liu says with a laugh that mathematics is a "young person's game," and his work with young mathematicians has proved it. Through an international math competition, two of Liu's teen-aged math club members earned the right to attend a summer school in Russia, to which Liu accompanied them this year. Last year, three eighth-grade members of the club published a mathematical paper in an international journal.

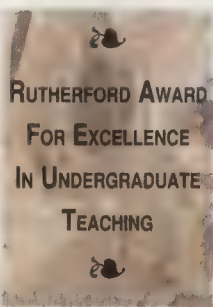
Liu clearly enjoys working with young people. He describes mathematics as "a laboratory for life" and says, "I don't want students to tell me the answer — I know the answer. I want to see people solving problems," he says.

A colleague in the Department of Mathematics attributes Liu's teaching success to his ability to organize, simplify and unify, and to explain key principles of mathematical argument clearly, concisely and thoroughly. The fellow professor also praises the "almost never ending search for better ways of treating a subject" for which Liu is known — a pursuit any teacher could be proud of.

DORIS ANDERSON:
Many voices, one message

She has spoken with many voices—as a novelist, a magazine editor, president of the Canadian Advisory Council on the Status of Women, as a director on the board of the Canadian Civil Liberties Association, and even as a candidate for election to the House of Commons. But her central message has always been the same.

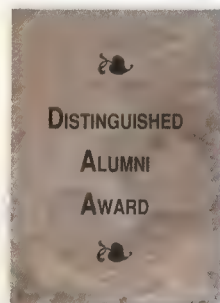
Throughout her career **Doris Anderson, '45 BA, '73 LLD (Honorary)**, has had one ambition: to help Canadian society evolve into one that says, "You don't have to fit into this prescribed pigeonhole that we try traditionally to fit people into."



When Anderson, who will receive a Distinguished Alumni Award from the Alumni Association this fall, graduated from the U of A in 1945, she escaped the pigeonhole that awaited her, turning down jobs considered "terrific opportunities for a woman" to seek her fortune as a journalist in Toronto. After a series of jobs in what she has since referred to as "the dregs of publishing" and a "glorious year" spent writing short stories in Britain and France, she joined the staff of *Chatelaine* magazine in 1951. Seven years later she became the magazine's editor.

In that position, which she held for 18 years, she became one of the most influential, respected and visible professional women in Canada and proved herself a journalist of integrity and conscience. While not abandoning the traditional content of a women's magazine, she added a strong editorial voice championing the cause of women's equality and airing controversial issues. Among Anderson's many honors is membership in the Canadian Press Club Hall of Fame.

Since leaving *Chatelaine* in 1977, Anderson has continued to give a voice to concerns such as women's issues and civil rights in her novels (she has written four, as well as the non-fiction *The Unfinished Revolution*, examining the women's movement in 10 countries) and, until recently, as a newspaper columnist. The president of the National Action Committee on the Status of Women from 1982 to 1984, she previously served as president of the Canadian Advisory Council on the Status of Women. She resigned from the Council to protest a federal cabinet minister's attempt at manipulation during the events surrounding the Trudeau government's repatriation of the constitution, and her action eventually led to a whole new section in the constitution. "It amounts to a statement of equality of men and women un-



der the constitution," says Anderson. A distinguished alumna of the University of Alberta, Anderson also has ties to the University of Prince Edward Island, which she serves as chancellor.

Editor's Note: A lengthier profile of Dr Anderson appeared in the Spring 1993 issue of *New Trail*.

DAVID LYNCH: What he does works

The teaching credo of chemical engineering professor David Lynch, 82 PhD, might be compared to the message in advertisements for Buckley's Mixture: the taste isn't great, but it works. Information-packed lectures reinforced by daily homework assignments leave no doubt in students' minds that Lynch's courses require hard work, but students usually end up thanking the 1993 Rutherford Teaching Award winner. Kim Neilson and Warren Mitchell, students who nominated Lynch for the award, say, "The homework is challenging, yet not so difficult that it becomes frustrating. We find this method to be highly conducive to better understanding."

Lynch says, "What I find satisfying is that you can do a rigorous, thorough job of teaching, have high expectations of students, and still have them appreciate it and say it's an effective course and they

learned a lot." Tough courses can be good courses, Lynch says: "If I didn't challenge my students I'd feel I hadn't done my job."

After completing his undergraduate engineering degree in New Brunswick and his PhD at the U of A, Lynch says he struggled to find a teaching style he was comfortable with. "I thought about the variety of excellent instructors I'd had and tried to combine all their different styles into one." The result, he says, was a hybrid that didn't feel like his own. What trademark qualities have since evolved? "I probably speak too quickly and write too quickly and try to cover too much in the given time," he laughs. "I'm that stereotypical lecturer who walks in with an armful of 15 or 20 pages of notes."

Evidently, what he does works. Alumni who have taken Lynch's courses tell him that, even after working as engineers for several years, they refer back to their notes from his classes for a comprehensive, organized review of certain topics.

But don't get the wrong idea. Lynch shuns a no-nonsense teaching approach, and humor makes his teaching more effective. "Engineering is an extremely serious area. I have to teach it seriously, but I don't necessarily have to be deadly serious teaching it," says Lynch. Digressions allow an instructor to inject a little bit of personality into lectures, especially during the required courses Lynch often teaches. "In a required course perhaps 85 per cent of the material you have to teach is fixed," he says. "It's what you do with that other 15 per cent that makes it unique."

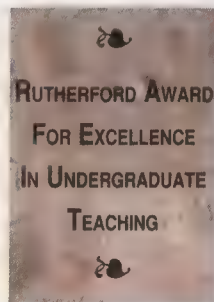
Students and colleagues praise Lynch's successful efforts to connect theoretical course material to practical examples. Chemical Engineering Chair Murray Gray recalls when Lynch returned from a McCalla Research Professorship in the fall of 1991 and began teaching a course

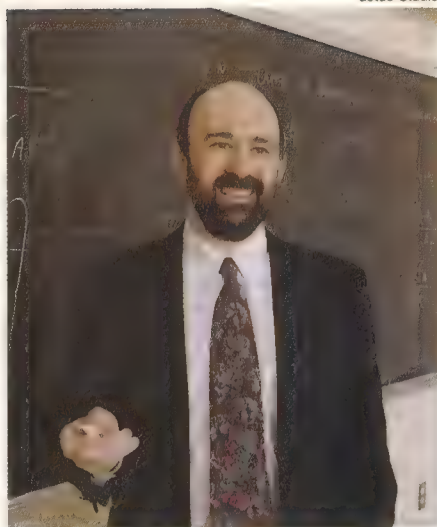
in equilibrium stage materials: "He contacted the major manufacturers of equipment for staged processes and obtained example materials for classroom use. He not only taught the theory rigorously, but he also presented a wealth of supporting material."

Despite his busy schedule, which involves serving as associate dean of Engineering and directing a research group in the area of chemical reaction engineering, Lynch remains dedicated to teaching. He finds time to prepare for five to six hours



Doris Anderson





David Lynch

for each lecture and also do the work associated with the daily assignments he gives his classes.

Teaching and research are equal priorities for Lynch because, as he sees it, the two are integrally connected. Says the Rutherford Award winner: "There is nothing more satisfying than broadening students' understanding of the material by telling them 'this field is alive and evolving, and I'm a part of that research.'"

BOB DE FRECE:

Teacher, coach, mentor and confidant

The disappointed young student stormed up to U of A music education professor Bob de Frece the Wednesday morning after de Frece's absence from his weekly class. "Where were you last week?" she demanded.

Coming from a university student — a breed typically delighted with a class cancellation — the question might seem odd. But it was asked by one of the kindergarten students to whom de Frece taught weekly music classes at Jean Vanier School in Sherwood Park. The youngster's eagerness to learn is a testimony to de Frece's teaching skills and contagious enthusiasm, which he is passing on to students in the Faculty of Education.

"I haven't taught in a school full-time since 1980, but I don't want to turn into a stale instructor standing up there with a yellowed set of notes," says the ebullient instructor, explaining his volunteer activities at the elementary school where his wife also teaches music.

De Frece believes that modeling appropriate behavior is the most powerful form of teaching. For example, he might com-

pose an original song for students in his music creativity class to demonstrate creative thinking. Teaching kindergarten students and conducting the Mixed Chorus and hand-bell ringers at the University are other ways he models a zeal for the profession. "I often feel that Education professors are under more scrutiny than people in other faculties because it's assumed we are good teachers," he says. "If you want to teach teaching, the best way is through being a good teacher yourself."

De Frece is not only a 1993 Rutherford Teaching Award winner, but one of three professors to be honored this year with the first annual Faculty of Education Teaching Awards. "Bob de Frece is a most energetic, effective teacher who empowers his students to assume personal control over their studies and careers," says Dave Sande, Education's associate dean in charge of undergraduate student services. "He serves as teacher, coach, mentor, and confidant of his students."

Curiously, the celebrated educator began his professional training at the University not in education but with a Bachelor of Science degree and entrance into the Faculty of Medicine. De Frece says that he quickly discovered he was ill-suited for that career path, "I didn't last more than a year," says de Frece, the long-ago incident now recalled with one of his frequent bursts of laughter.

A change of faculties — and careers — worked out to the benefit of de Frece and,

eventually, the University. After becoming a teacher he initially taught science, but soon changed specializations to share his love of music. De Frece was prompted to switch from teaching to teacher education when "I realized that the teaching I was doing in my classroom with my kids was only benefitting those kids." He recalls thinking, "If I could teach teaching, think of how many more kids would eventually benefit." De Frece says the most gratifying feedback he gets is when he hears that a former student of his has become a respected teacher.

De Frece has the opportunity to interact with a great number of the Faculty's students, as he teaches in three areas: elementary, music, and secondary education. Along with colleagues and other experts in music education, he has written or co-written numerous textbooks, including *Canada: It's Music*, a unique, colorful guide to Canadian music for secondary students, widely used in schools across the country. Currently, he works with two music education PhD students. The wide range of his involvements in the Faculty and University provides a constant challenge. "I think I have a really ideal job because of the variety," he says.

Within the mix of his activities, undergraduate teaching remains an important element for this young-at-heart educator: "Undergraduates are wonderful, fun people," he says with a broad smile, "They keep you feeling young."



Bob de Frece with kindergarten students from Jean Vanier Elementary, Sherwood Park

Grads of '33 Recall Times Past at U of A

Things were different on campus in the 1930s.

Men wore dinner jackets to the dining hall, and students listened to the dean of women when she made the rules. The weekly dances ended by 10:30 p.m., and the last song played was, "Ah, Sweet Mystery of Life." It was the height of the Depression, unemployment was high, and jobs were hard to come by, even if you graduated from university.

Four alumni from the class of 1933 met recently to plan their class reunion for Reunion Weekend '93 and it prompted a trip down memory lane. Harriet Shiels, BSc(HEc); Sylvia Evans, BA; Peter Greschuk, '31 BA, LLB; and Jack Kerns, BSc(Ag), couldn't help but comment on how the campus has changed. For one thing, laughed Harriet Shiels, "it was easier to find parking in 1933!"

The four alumni could still point out a few of the buildings remaining from their era, but the professors were clearly the highlight of their memories. With great enthusiasm, the grads recalled teachers such as Dr R.B. Sandin, who taught chemistry; the entertaining Dr Edouard Sonet, who taught French; the lovable Miss Hazel McIntyre of Household Economics; Dr W.G. Hardy of the

Department of Classics; Dr Francis Winspear, who taught legal accounting; Dean J.A. Weir of Law; and Dr Howes, first dean of Agriculture.

According to Jack Kerns, "Dr Tory deserves a lot of credit for staffing the University. These young professors were outstanding. They taught us to be inquisitive and to challenge the status quo."

Peter Greschuk recalls how much he and his classmates learned and how well the professors prepared the students. There was a great deal of emphasis on ethics and values back then, at least in law, he says, adding that he will never forget the words of one great professor speaking about the purpose of life: "It is not so much the acquisition of wealth or possession, but rather it is the pursuit of truth, justice, caring, sharing, compassion and love."

The four grads spoke with pride about their classmates too, pointing out that so many U of A grads have gone on to do "amazing things here and abroad." Like their classmates, the four grads have pursued a variety of careers. Sylvia was a squadron leader with the RCAF, Harriet worked for the Provincial Lab and the dean of Medicine, Jack held many positions with Alberta Agriculture and Peter, who was an Alberta Court of Queen's Bench justice for many years, went on to

become a deputy judge of the Federal Court of Canada.

Peter, who would achieve such success in his career, quietly smiles and recounts, "in 1933, I couldn't even find an articling position and had to volunteer with a law firm. When it came time to pay for my entrance to the bar, I didn't have \$150 to pay for the fee."

The four classmates are looking forward to the Gala Dinner and Dance at Reunion Weekend '93 and expect that things will be a bit more posh than they were at some of the "Hard Times" parties they remember from the '30s — at these, newspapers served for tablecloths, and old and torn clothes were *de rigueur*.

All agree that seeing old friends will be the best part of the reunion. Said Sylvia, "It's nice to see who you remember, to talk about people you knew and to see how everyone is doing."

Home Economics Grads to Celebrate at RW '93

Home Economics is celebrating 75 years at the University of Alberta this fall.

Alumni, students, staff, and faculty will join together at Reunion Weekend '93 to remember the growth and change which has occurred within the faculty and profession and to celebrate the many accomplishments of the last 75 years.

In 1918 the Board of Governors of the University, at the request of President Tory, approved the establishment of the Department of Household Economics as part of the Faculty of Arts and Science. Space was assigned in the basement of the Arts building, Miss Mabel Patrick was appointed head of the new department, and seven students enrolled.

For the first 20 years, the school offered courses on home and family life, household management, home nursing and invalid cookery, sewing and textiles, nutrition, diet and disease, and institutional management. The focus on home, food and nutrition continued

for more than half of the total life of the program.

Scholarly research was limited during the early years. In 1940, Miss Hazel McIntyre, who later became director of the school, published *The Army Cook Book* followed in 1957 by, *Recipes For Use In Classes For Food and Cookery*.

Rapid change, growth and a new spirit of advancement for higher education swept campus in the 1960s and Home Economics was very much a part of this trend. In 1965, a new building was opened to house what, in 1970, became three departments: Foods and Nutrition, Clothing and Textiles, and Family Studies. Five years later, the School of Household Economics became the Faculty of Home Economics. At that time, more than 400 undergraduate and 36 graduate students were enrolled in the program.

In the 1970s and '80s the scholarly research and publications originating in Home Economics spiralled as existing faculty attained PhDs and new faculty with doctoral degrees came on board. Today, more than 25 staff and 60 graduate students are engaged in some form of research.

Areas of investigation range from protective clothing for industrial use and computer-aided apparel design to family life education and the role of diet in diabetes. There is also continuing work in areas such as food safety, textile conservation, gerontology, and child and adolescent development. Accompanying the expansion of research efforts has been an expansion of the curriculum and development of specializations in numerous areas.

In the 1990s Home Economics at the University of Alberta faces a new reality. As part of a restructuring prompted by funding concerns, the Faculty of Home Economics was merged with Agriculture and Forestry. Within the newly merged faculty, there will be a Department of Human Ecology and a Department of Food Science and Nutrition. Programs and courses in the areas of clothing and textiles, consumer studies, and family



Classmates from 1933 (left to right) Peter Greschuk, LLB; Sylvia Evans, BA; Jack Kerns, BSc(Ag); and Harriet E. Shiels, BSc(HEc), leaf through yearbooks in preparation for Reunion Weekend '93.

University of Alberta Reunion Weekend 1993

Please join
us this fall



University of Alberta
October 1, 2 & 3

"Think I'll go out to Alberta
Weather's good there in the fall
Got some friends that I can go

To working for."
Ian Tyson

Tune in and turn on
to the many events at
Reunion Weekend '93

Keynote Events:

This is just a sampling. Stay tuned for
more detailed information.

Friday, October 1

- "Student for a Day"
- Monnex presents
Ian Tyson in Concert

Saturday, October 2

- Breakfast drop-in at University House
- Campus tours
- "Super Saturday" lectures
- Faculty, open houses and other special events
- Gala Dinner and Dance at the Westin Hotel

Sunday, October 3

- The President's Brunch for 1923, 1933 and 1943 graduates at the
Mayfair Golf and Country Club

Please complete and return before September 3, 1993



Please send me tickets for the following events (indicate number)

- ☐ Ian Tyson Concert and Opening Reception \$25/person. . . . \$ _____
- ☐ Gala dinner and dance \$45/person. . . . \$ _____

Total enclosed \$ _____

I/we plan to take part in the following free events (indicate number):

- ☐ Student for a day ☐ Campus tours
- ☐ President's brunch ☐ Special Saturday events

Name _____

Address _____

Postal Code _____ Phone: Res: () _____ Bus: () _____

Year of Graduation and Degree _____

Former Name, if applicable _____

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invite you and your family and friends
to come and enjoy an evergreen and
gold weekend.

Just fill out the reply form to let the
Office of Alumni Affairs know that you
are planning to participate. If you have
a special class or club reunion in mind,
our reunion organizer can facilitate and
coordinate your plans.

For more information please call
492-3224 in Edmonton or toll-free
outside of Edmonton 1-800-661-2593 or
fax us (403) 492-1568.

Mail to: Alumni Affairs, 430 Athabasca Hall, University of Alberta, Edmonton, T6G 2E8

Make cheques payable to "U of A Alumni Association"



Home Economics has seen many changes during 75 years at the University. Above: cooking lab circa 1934. Left: Computer-aided design technology is applied to clothing design in the '90s.

studies will be offered in the former. Foods and nutrition courses will be offered in the latter. Students will be able to continue to pursue either MSc or MA programs in any of the many areas of specialization, and special PhD programs are being offered in cooperation with other departments.

Alumni of the School of Household Economics or Faculty of Home Economics are invited to join in the celebration of 75 years at the University of

Alberta. Activities planned include an open house at the Home Economics Building on Saturday morning, 2 October, followed by the 75th Anniversary Luncheon and Empey Lecture at the Mayfair Golf and Country Club at 1:00 p.m.

Anniversary classes are also participating in many Reunion Weekend activities, including the Saturday evening Gala Dinner at the Westin Hotel.

For further information about activities planned in connection with the Home Economics anniversary, please contact Linda Capjack at (403) 492-5997.

Reunion Weekend 1993 Class Reunions

The Alumni Association is happy to assist individual classes in organizing special events during the homecoming activities of Reunion Weekend '93. The following classes are currently planning to take part in Reunion Weekend.

Class/Contact

- '23 Graduating Class *Alumni Office*
- '33 Graduating Class *Sylvia Evans, Jack Kerns, Peter Greschuk*
- '33 Arts *Rita Hoggins*
- '33 Home Economics *Harriett Shiels*
- '38 BSc & Dip Nursing *Helen Sabin*
- '43 Graduating Class *Alumni Office*
- '43 Arts *Edmonton/ReunionWeekend/MarjorieGibson*
- '43 Chemical Engineering *T.C. Elliott*
- '43 Commerce *Frank Meston*
- '43 Dentistry *Otto Hauck*
- '43 Engineering *Walt Hiller*
- '43 Home Economics *Teri Beauchamp*
- '43 Law *J. Louis Lebel*
- '43 Normal School *Gerry Cullen*
- '43 Sept Dip Nursing *Edythe Markstad-Buchanan*
- '49 Home Economics *Sheila McLaggan*
- '50 Civil Engineering *George Stefanick*
- '52 Home Economics *Marilynn Sangster*
- '53 Graduating Class *Alumni Office*
- '53 Agriculture *Arthur Reddon*
- '53 Commerce *Betty Leadbeater*
- '53 Dentistry *Dave Buchanan, Ron Mullen*
- '53 Civil Engineering *Glen Jones, Neil Longson*
- '53 Home Economics *Phyllis Humphreys*
- '53 Law *Norman Witten*
- '53 Phys Ed *Stephen Mendryk*
- '63 Agriculture *Gerald Coen*
- '63 Civil Engineering *H.D. Richardson*
- '63 Home Economics *Sharon Pisesky*
- '68 Graduating Class *Alumni Office*
- '68 Agriculture *Hank Vander Pluym*
- '68 Commerce *Phil Ponting, Les Tutty*
- '68 Education *Jane Sterk*
- '68 Home Economics *Sheila Brown, Marianne Scott*
- '68 Law *Dennis Thomas*
- '68 Sept Dip Nursing *Liz Bonneville*
- '68 Pharmacy *Arlene Ponting, Barb Bayer*
- '68 Phys Ed *Clare Algajer*
- '68 Rehab Medicine *Wendy Patterson*
- '83 Commerce *Karen Smith*

Should you require information about the reunions noted, or if you wish to organize a reunion for a class or group not listed, please contact Coleen Graham in the Office of Alumni Affairs at (403) 492-3224.



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Dentistry Alumnus to Lead Association

Edmonton orthodontist **Bryun Sigfstead**, '67 DDS, heads the Alumni Association leadership team elected at the Association's annual general meeting held on 19 May 1993.

Sigfstead, who served as the Association's vice-president (programs) last year, is a former president of the Alberta Dental Association and recently completed a five-year term on that association's executive council. He is also active in the Canadi-



Alumni President Sigfstead

an Dental Association and is the CDA president-elect.

Joining Sigfstead on the Association's executive committee for the 1993-94 term are past-president **Grant Smith**, '68 BCom, who will also serve as vice-president (bylaws and nominating); **Lloyd Malin**, '65 BA, '70 LLB, who will undertake responsibilities as vice-president (finance); **Phil Ponting**, '68 BCom, who will serve as vice-president (special events); **Barbara Rocchio**, '64 BSc(Nu), '88 MEd, who becomes vice-president (communications); and **Jim Beckett**, '73 BSc(Eng), who will serve as vice-president (programs).

The executive committee is rounded out by the Association's representatives to the University's Board of Governors and Senate.

The Association is represented on the Board by past-president Smith and **Graham Lock**, '65 BSc(Eng). The Association's four Senate representatives are **Deni Lorieau**, '73 BA, **Christina Andrews**, '86 MLS, **Malin** and **Sigfstead**.

Eight Begin Terms on Alumni Council

Eight members begin three-year terms on Alumni Council in 1993-94. Six represent faculties; two are members-at-large.

The new Dentistry representative is **Bill Sharun**, '72 BSc, '74 DDS, president-elect of the Alberta Dental Association. Representing Education is **Lucille Walter**, '63 BEd, '77 Dip(Ed), head of counselling at J. Percy Page High School. The new Faculté Saint-Jean representative is **Yvon Laberge**, '82 BA, '84 BEd, a consultant in the areas of education, literacy, and community development.

Incoming representative for Graduate Studies is health care consultant **Margaret Johnson**, '62 BSc(Nu), '80 MHSA. The Faculty of Pharmacy will be represented by **Dan Allen**, '73 BSc(Pharm), a pharmacist who serves on the Alberta Pharmaceutical Association's committee on funding of continuing education. The new Physical Education representative is **Darwin Park**, '67 BPE, a partner in an executive search firm.

Two new at-large positions were approved at the annual general meeting and will be filled by **Judith Sunley**, '84 BA, '90 MHSA, and **Maury Van Vliet**, '61 BSc, '64 LLB. Van Vliet is president of a real estate consulting company. Sunley is an administrator at Glenrose Rehabilitation Hospital.

Association Calendar

Branches

Milan, Italy

16 September 1993 First Annual "All Canadian Universities Night"
Palazzo Affari ai Giureconsulti / 7:30 p.m.
RSVP: Leonardo O'Grady, c/o Dobson & Sinisi, Via Santa Radegonda, 16, 20121 Milano, Italia, Phone: 02-809816

Halifax

15 October 1993
Please watch your mail in September for details.

Grande Prairie

22 October 1993 Malt Whisky Tasting Seminar
Grande Prairie Regional College
Please watch your mail in September for further details or contact Dr Campbell Ross at 539-2864.

Toronto

October 1993
Please watch your mail in September for details.

Ottawa

November 1993
Please watch your mail in October for details.

Vancouver

5 December 1993 Yuletide Brunch / \$18 per person (includes GST)
The Executive Inn, 4219 Lougheed Highway, Burnaby
11:30 a.m. No-host Bar; 12:00 noon Brunch
RSVP by 25 November: Vic Harrison, 1780-25 Street, W. Vancouver, B.C. V7V 4S9, (604) 922-8879

Victoria

5 December 1993 Christmas Reception (Sweets and Sandwiches)
Chantecler Restaurant, Saanich / 3:30 p.m.
Prior to the Reception, a tour through Saanich Commonwealth Place on Elk Lake Drive will take place. This new facility will handle aquatic competition and be a major centre for accreditation and organization for the 1994 Commonwealth Games. Interested alumni should be at the pool at 2 p.m. for the guided tour.
Final details will be in the Branch's fall newsletter.

Other

U of A Reunion Weekend '93
October 1, 2 and 3 / U of A Campus

For program information or to register, phone the Alumni Office, (403) 492-3224. Call toll-free in Canada, 1-800-661-2593.

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Please bill my ☐ MasterCard ☐ VISA

Card Number _____
Expiry Date _____ Signature _____

Office of Alumni Affairs, 4th Floor, Athabasca Hall
University of Alberta, Edmonton, Alberta T6G 2E8

'34

Jackenzie Keith, BSc(Eng), is professor emeritus of geosciences at Penn State U and the author of a new book, *Geodynamics and Mantle Flow: An Alternative Earth Model*, published by Elsevier (Amsterdam). He writes that some controversy is expected over certain contrary theories he explains in the book. "It is shown that the balance of evidence is contrary to the popular 'plate tectonics' theory and favors a model of the Earth with long-term behavior characterized by relatively weak sub-crustal layers subject to viscous flow," he says. **William McCallum**, MD, "retired long ago" in Richmond, B.C., where he tries "to keep current by reading the latest medical and scientific journals." He writes, "I have many hobbies and have never been bored." He keeps in touch with his old U of A classmates: "They were, and are, the best."

'44

Arthur Guitard, BSc(Ag), '47 MSc, reports that he is retired and his only professional activity is serving as a member of the governing board of the International Crops Research Institute for the Semi-Arid Tropics, located in India.

'47

Shirley MacArthur (Mohler), Dip(Nu), '59 Dip(Nu), was awarded a Commemorative Medal for the 125th anniversary of Confederation by the governor-general of Canada, in recognition of her significant contribution to the country, her community, and to fellow Canadians.

'49

David Usher, BSc(Eng), recently received the L.C. Charlesworth Award from Association of Professional Engineers, Geologists, and Geophysicists of Alberta for his work with the engineering and land surveying professions in Western Canada. A former Alumni Association president, he has served on various University governing bodies and has been active in the development of Land-Related Information Systems, now marketed internationally.

'51

John Asplund, BSc(Ag), '57 MSc, is now a professor emeritus, having retired from the animal

science department at the U of Missouri. He wrote in May to say he was currently at work on a book and planning a move to Salmon, Idaho.

Leslie Talbot, BEd, has been inducted into the Lethbridge Community College Hall of Fame. He was the College's longest serving president (from 1979 to 1990) and developed many of the programs for which it is best known. He also oversaw construction of several structures on the LCC campus and established the fund-raising arm of the College. Preceding his appointment as president he was assistant deputy minister of community colleges for Manitoba.

'53

George Lynch-Staunton, LLB, '50 BCom, was recently appointed honorary lieutenant colonel of the 5th Field Artillery Regiment of B.C., based in Victoria. He is a former assistant chief judge of the Provincial Court of Alberta in Lethbridge and now serves as a tribunal member with the Canadian Human Rights Commission. He lives in Qualicum Beach, B.C. **Tess Trueman**, MD, '51 BSc, has moved to the north shore of Shuswap Lake, where she is building a new home on an acreage. She retired 17 years ago, "for health reasons and for ease of travel."

'56

Donald Haythorne, BSc(Ag), '68 MA, is the co-founder of Breakthroughs Unlimited, a Delta, B.C. company which promotes and supports organizational and personal transformation.

'57

Fred Otto, BSc(Eng), '59 MSc, dean of engineering at the U of A, has received the Centennial

1948 MEDICAL CLASSES

There were two medical classes in 1948, a spring class and one in the fall. These two classes are holding a joint reunion in Edmonton on 2 and 3 June 1994. The first evening will be on campus; the second, at the renovated MacDonald Hotel, where many good times were had by University students in the past.

Representatives for Class A are Dr Gordon Brown, Dr Alf Gorman and Dr George Moonie; for Class B, Dr John Lipinski, Dr J. O'Brien and Dr Harold Schwarz.

Award from the Association of Professional Engineers, Geologists, and Geophysicists of Alberta for his integral role in providing service to students entering the engineering profession.

'58

Ralph Sabey, BEd, '66 MEd, writes that he is retired in North Vancouver, B.C., and is working as a Canadian Executive Services Organization volunteer.

'59

Arthur Day, BEd, retired from Alberta Education in March. He has started his own educational consulting company in Edmonton, called Scotty Day and Associates.

Lou Hyndman, LLB, '56 BA, has been appointed to the board of directors of Interprovincial Pipe Line System. He is a former provincial treasurer and government house leader in the Alberta legislature, and a former Alberta minister of education and federal and interprovincial affairs. He is chairman of the Canadian Safety and Accident Board Act Review Commission and director of a number of local and national companies and organizations. Earlier this year he was made an officer of the Order of Canada.

John Marston, BSc, lives in Iroquois, Ontario, and practices medicine with a small rural group. "Enjoying some golf, visiting grandchildren in P.E.I.," he writes.

'60

Lawrence Mysak, Cert(Arts), '61 BSc, was appointed president of the Academy of Science of the Royal Society of Canada in May. He is the director of the Centre for Climate and Global Change Research at McGill U and was first elected to the RSC in 1986. **James Stanford**, BSc(Eng), has been appointed president and chief executive officer of Petro Canada, where he has worked since 1978. Previously he was president of the resources division, the chief operating officer, and a member of the board of directors for Petro Canada. He is also chair of ICG Propane and of the Calgary Philharmonic Society, and a director of The Energy Council of Canada and of Alberta Theatre Projects.

'62

Evelyn Blakeman-Crofford, BEd, '66 Dip(Ed), '75 MEd, spent

February to July of this year teaching academic upgrading to adult students in the traditional Cree village of Garden River, Alberta, situated on the Peace River just inside the west boundary of Wood Buffalo National Park.

Robert Church, BSc(Ag), '63 MSc, is now a member of the board of directors of VENCAP Equities, a publicly-traded venture capital company. He is professor emeritus of medical biochemistry at the U of Calgary.

'64

Henry Jensen, BCom, a retired deputy commissioner of the RCMP who lives in Ottawa with his wife, is one of two Canadians on a Commonwealth commission to South Africa. The commission hopes to strengthen the peace accord, to reduce violence, and to prepare for democratic elections. **Jean Saville**, BEd, reports that she has retired in Edmonton.

'65

Donald Hilton, BSc, '71 PhD, and **Nora Hilton (Armitage)**, '70 BEd, live in Lennoxville, Quebec, where Don is a professor of biology and Nora teaches in the Writing Centre of Bishop's U. They recently completed a sabbatical year in Vancouver, where Don completed his master's degree at Simon Fraser U. **Alexander Hyndman**, BSc(Eng), of Fort McMurray, has been awarded the Frank Spragins Award by the Association of Professional Engineers, Geologists, and Geophysicists of Alberta for his contributions to the start-up and operations of Syncrude Canada's oil sands facility.

'66

Ross Harris, BCom, of Edmonton, has been named a "Fellow of the Chartered Accountants," the highest honor awarded by the Institute of Chartered Accountants of Alberta, for his contributions to the community, profession, and the business world.

'67

Anne Wheeler, BSc, '90 LLD (Honorary), the award-winning filmmaker of *Bye Bye Blues*, was given an honorary LLD from the U of Lethbridge at its May convocation, at which she gave the convocation address.

Hugh Williamson, BSc(Eng), currently lives in Kambah, Australia, and writes that he has lived

down under "virtually since graduating." He is a senior lecturer in the aerospace and mechanical engineering department at the Australian Defence Force Academy in Canberra, and the father of four nearly grown-up children. He reports that he plays old-timers ice hockey for fun and fitness.

Murray Davis, BCom, a faculty member of the U of Calgary, was given the highest honor of the Institute of Chartered Accountants of Alberta when he was named a "Fellow of the Chartered Accountants" recently.

'68

Bryan Westerman, LLB, '67 BA, has been made a partner in the Edmonton law firm Snyder and Company. He has practised law in Edmonton since 1969.

'70

Susan Gosse, BSc(HEc), reports that she is a clinical dietitian at the Misericordia Hospital in Edmonton.

Norah Li (Chow), MA, is working as a community planner with the planning and building department of the City of Calgary.

'72

Ray Lajeunesse, BEd, lives in Stony Plain, Alberta, and teaches

senior high school in Sherwood Park, Alberta.

'73

Patricia Evans, BCom, is the managing director of Prentice Hall, Australia. She lives in Lindfield, New South Wales, and is married and the mother of two girls, ages three and six.

Colin Ford, BCom, is secretary, treasurer and controller of Davis Pontiac Buick GMC in Lethbridge.

Verle Lambert, BEd, '78 Dip(Ed), '80 MEd, retired from teaching and school administration last year. "Enjoying time for family and travel," she writes from her home in Josephburg, Alberta.

'74

Gerrit Aronson, BA, and **Vivian Aronson (Odynski)**, BA, '76 Dip(Ed), live in Surrey, England. Vivian writes that Gerrit works in London as director of personnel for Wellcome PLC.

Wayne Danforth, BSc(Eng), is president of WHD Enterprises, a company which designs and manufactures boat lifts, shelter systems, and other innovative marine products. He lives in Vernon, B.C.

Sharon Watkins, LLB, '73 BA, has been awarded a distinguished teaching award by the board of governors of Mount

Royal College in Calgary. She has been an instructor of business law in the Faculty of Business there since 1979.

'75

Audrey Gibson (Salkeld), Dip(RehabMed), '81 BSc(OT), is working as an occupational therapist at the Queen Alexandra Centre for Children's Health in Victoria, B.C.

Patricia Hidson, BEd, lives in Milwaukee, Wisconsin, where she has been a successful full-time artist (painter) for the past eight years. Her work has been exhibited throughout the United States as well as at the Edmonton Art Gallery.

John Jackson, PhD, is a professor in the School of Public Administration at the U of Victoria. He recently spent time in England as a visiting senior member at Linacre College at Oxford.

Beverly Morrice, Dip(Nu), '83 BSc(Nu), and **Bradley Anderson**, '83 BSc, were married in 1991 and live in Calgary, where Brad works for Alberta Oil Sands Technology and Research Authority and Bev works as a nurse educator with the Calgary District Hospital Group. They recently celebrated the birth of their first child, a daughter.

Eric Steinberg, LLB, has been a law lecturer at City Polytechnic of Hong Kong since 1989. Previ-

ously to that he taught law at U of Otago in New Zealand and at National U of Singapore.

'76

Andrew Husband, BCom, is a chartered financial planner in Edmonton, where he has his own financial planning and insurance brokerage company, AMH Financial Services.

Donald James, BA, just completed seven and a half years as pastor of Oakview First Baptist Church in Winnipeg, Manitoba. He writes that he is enjoying a sabbatical period before returning to full-time Christian ministry.

John Mah, LLB, '75 BA, has been elected president of the Edmonton section of the Hong Kong - Canada Business Association, Canadas largest bilateral trade association. He is a founding member of the Edmonton section of the Association and a partner in the Edmonton law firm of Chomicki Baril.

Jeanne McInnis, BEd, has been teaching for the Calgary Catholic School Board for the past 17 years. She reports that she completed her MEd two years ago.

Lawrence Webb, BSc, is a computer consultant in Victoria, B.C.

'77

James Miller, BCom, reports that

In Memoriam

The Alumni Association extends condolences to the families and friends of the following:

Constance Elaine Nelson (McLaughlin) '21 BA, of Spruce Grove, Alberta in May 1993

Isobel Secord '26 Dip(Nu), of Edmonton in July 1993

Cecil Earl Moorhouse '27 BSc(Eng), of Golden, B.C. in May 1993

Florence Harriett Scofield '27 BA, '58 BDiv, '63 MEd, of Victoria in June 1993

Mary Evelyn Stacey (MacLennan) '28 BA, of Victoria in June 1993

Harold William Archibald '33 BSc, '57 BEd, of Edmonton in June 1993

June Lenore Blackert (Allsopp) '34 BA, of Nanaimo, B.C. in July 1993

Gaylord Frederick Brink '36 BSc(Eng), of Pierrefonds, Quebec in May 1993

Lillian Ewasuik (Ferbey) '37 BSc(HEc), of Edmonton in June 1993

Herbert Grenfell Bagnall '38 BSc(Eng), of Calgary in May 1993

Milton Share '39 MD, of Bellevue, Washington in October 1992

Henry George Cooper '40 BA, '40 MD, of Vancouver in December 1992

Joseph Louis Villeneuve '40 BCom, of Edmonton in June 1993

Marcus Adelbert Bomerlan '41 BSc, of Edmonton in June 1993

Donald Gardner '41 BSc(Eng), of Calgary in June 1993

Olive May Black (Williams) '42 BA, of Calgary in May 1993

Edna Mae Latham (Dooner) (Anthony) '42 BSc(HEc), of Edmonton in June 1993

William Bruce Wholey '42 BSc(Eng), of Los Altos, California in May 1993

John Jackson '42 BA, '44 DDS, of Edmonton in May 1993

Paul Walter Frobb '44 MD, of Vilna, Alberta in May 1993

Gordon Elbert Straughan '45 MD, of Everett, Washington in June 1993

Oswald Fuchs '43 Dip(Ed), '46 BEd, of Cochrane, Alberta in June 1993

Ian Farquharson McBride '46 BSc(Eng), of Edmonton in May 1993

Gordon Albert Sanders '49 BEd, '67 Dip(Ed), '70 MEd, of Edmonton in July 1993

Charles Alvin Walrath '49 BSc(Eng), of Edmonton in July 1993

of Edmonton in July 1993

Russell Barton Coglon '50 BSc, '54 MD, of Edmonton in May 1993

Aubrey Eugene Sherman '50 BSc(Ag), of Red Deer, Alberta in June 1993

Ian David Dickins '51 BA, '52 LLB, of Edmonton in July 1993

George Henry Luck '51 BSc(Eng), '53 MSc, of Edmonton in May 1993

Malcolm Hawley Murray '54 BSc(Ag), '71 Dip(Ed), of Edmonton in April 1993

William Takao Nakamura '55 BSc, '57 Dip(Ed), '58 BEd, '58 Dip(Ed), of Waterloo, Ontario in July 1993

William Filipchuk '58 Dip(Ed), '60 BEd, of St. Albert, Alberta in July 1993

Robert George Auld '63 MSc, of Calgary in April 1993

Linda Zwicker '67 BMus, of Toronto in April 1993

Jessie Margaret Maland '68 Dip(Nu), of Edmonton in June 1993

Erika Elaine Richman (Fech) '68 BEd, of Calgary in June 1993

Roger Hugh Davies '69 BA, '76 LLB, of Edmonton in July 1993

George Leighton Robbins '71 BSc(Eng), of Toronto in June 1993

of Toronto in June 1993

Donald Barry Wilson '71 MD, of Toronto in May 1993

Margaret Lillian Anderson '72 BEd, '78 Dip(Ed), of Trochu, Alberta in February 1993

Lyla Patricia Phelps (Johnston) '72 BSc(HEc), '75 Dip(Ed), of Edmonton in June 1993

John Dennis Holland '74 BEd, of Edmonton in June 1993

Varadaraja Sarma Voruganti '84 MSc, of Edmonton in April 1993

William Martin McGarvey '87 BA, '90 LLB, of Edmonton in June 1993

Dean Terry Bowman '88 BCom, of Edmonton in July 1993

Neil Andrew Johnson '88 PhD, of Sydney, Australia in May 1993

Timothy Gordon Spanton '92 PhD, of Edmonton in May 1993

Elizabeth Hamilton '93 BA, in February 1993

Madeline Moncrieff '93 BFA, of Edmonton in January 1993

Deanne Mary Timmons '93 BSc(OT), in December 1991

he is marketing manager for Surrey Metro Savings, Canada's second-largest credit union. He has lived in Richmond, B.C., for the past dozen years with his family of five.

Mauyra Miska, BEd, teaches elementary school and is part-time religious education coordinator at John Paul II School in Stony Plain, Alberta. She writes that she recently completed a religious education degree from Newman Theological College in Edmonton.

Linda Siddle, Dip(Nu), works full time as a nurse in a doctor's office and also does relief nursing at the U of A Hospitals.

Enid Watt, BEd, is part of a Calgary development team producing software for educational applications in kindergarten to grade 12, post-secondary, and corporate settings. She reports that she telecommutes to her job much of the time, which allows her to spend time at home with her three-year-old daughter.

'78

Michael Hatzinikolas, PhD, was recognized in March with the Alan H. Yorkdale Award by the American Society for Testing and Materials in Philadelphia. The award is made for the most outstanding paper pertaining to clay, shale, concrete, or sand-limestone. He has been the executive director of the Prairie Masonry Research Institute in Edmonton since 1985, and prior to that taught at the U of A for 11 years.

Dale O'Brien, BSc, lives in Pembroke, Ontario and works for the fuel materials division of Atomic Energy of Canada in Chalk River,

Ontario.

Gwen Petryk, BSc(Pharm), is a staff clinical pharmacist at Edmonton General Hospital.

Barbara Schneider, BA(RecAdmin), is a full-time private music teacher, as well as a church musician and music director in Calgary, Alberta.

Carol Starrak (Macquisten), BA, reports that she recently moved to Cary, North Carolina, with her two children and her husband, who is a veterinarian taking a radiology residence program at North Carolina State U.

Mirja Van Herk, BA, and **Andrew Van Herk**, BSc(Ag), are planning to open a new bookstore in Calgary. They live in the Bragg Creek area with their three children.

'79

Christian Crosby, BSc(Eng), is vice president of Christopher Investments, a private holding company in West Vancouver, B.C. He is the recent dad to two children, and reports, "being a student was easy compared to this!"

Michael Finn, BSc, recently moved to Winnipeg to accept the position of chief geologist with Tundra Orland Gas, a privately held oil producer that currently ranks third in Manitoba.

Sylvia Koch, BSc, works for Kasper and Associates medical labs in Edmonton, where she is a registered medical technologist in the hematology department.

'80

Frances Alty-Arscott, BFA, and **Nicholas Arscott**, '81 BA, live in Edmonton with their two children

and report that they are active in the community. Frances is a professional visual artist and teacher whose work is represented by the Front Gallery in Edmonton and by Wallace Galleries in Calgary. Nicholas has worked since graduation for Blue Cross, where he is currently a senior manager.

Brian Ferguson, BCom, was recently appointed corporate secretary of Alberta Energy Company, which he joined in 1984. He is responsible for compliance with regulatory authorities and for the investor relations program.

Kenton Lissack, BA, and **Lora Lissack (Manning)**, '89 BSc, live in Calgary where Kent has been enjoying the challenge and travel as chief economist for Norcen International. Lora writes that she is general manager with the TransCanada Pipeline Credit Union, having recently resigned her previous position as "chief domestic engineer and general contractor chez Lissack, although she continues to supervise same." **Connie Parenteau**, BSc(Eng), is the recipient of the Early Accomplishment Award from the Association of Professional Engineers, Geologists, and Geophysicists of Alberta. She works in Edmonton

for AGT, where she has spearheaded several projects and provided leadership in the communications field. She is also a director of the Reading and Literary Institute.

'81

Gerald Milner, BSc(Eng), is married with two children in Calgary, where he is a rotating equipment engineer with NOVA Corporation of Alberta.

'82

Lyle Banack, BCom, has been appointed corporate controller of Shaw Cablesystems, where he has worked since 1988. He is responsible for the company's cable television and radio broadcasting divisions in B.C., Alberta,

Former AIESEC Members

AIESEC Edmonton is currently attempting to compile a list of AIESEC alumni from the U of A or from other Canadian or international locals. If you care to be part of the list, write to Jaclynn (Bird) Fimrite at 9737-93 Ave, Edmonton, Alberta T6E 2V8.

Alumnae to Co-Chair Nursing Conference

Karen Mills, '56 Dip(Nu), '69 BSc(Nu), '79 MHSA, and **Shirley Stinson**, '52 Dip(Nu), '53 BSc(Nu), are co-chairs for the first International Conference on Community Health Nursing Research, being held in Edmonton from 27 to 29 September 1993.

The conference, which will take place in the Edmonton Convention Centre, will feature community health nursing research in the areas of public health, primary health care, home care, occupational health, and community mental health. More than 700 participants are expected and the keynote speakers come from five continents.

The conference proceedings are to be compiled and will consti-

tute the first international compendium of community health nursing research, says Mills. She has been director of the nursing division of the Edmonton Board of Health, which is sponsoring the conference, since 1980. She is also an associate professor of nursing at the University, as well as an adjunct professor in the Faculty of Medicine.

Stinson holds joint appointments in the Faculty of Nursing and in the Department of Health Services Administration and Community Medicine of the Faculty of Medicine at the U of A. A past president of the Canadian Nurses Association, she was the first woman to receive one of Canada's Senior National Health Scientist awards.

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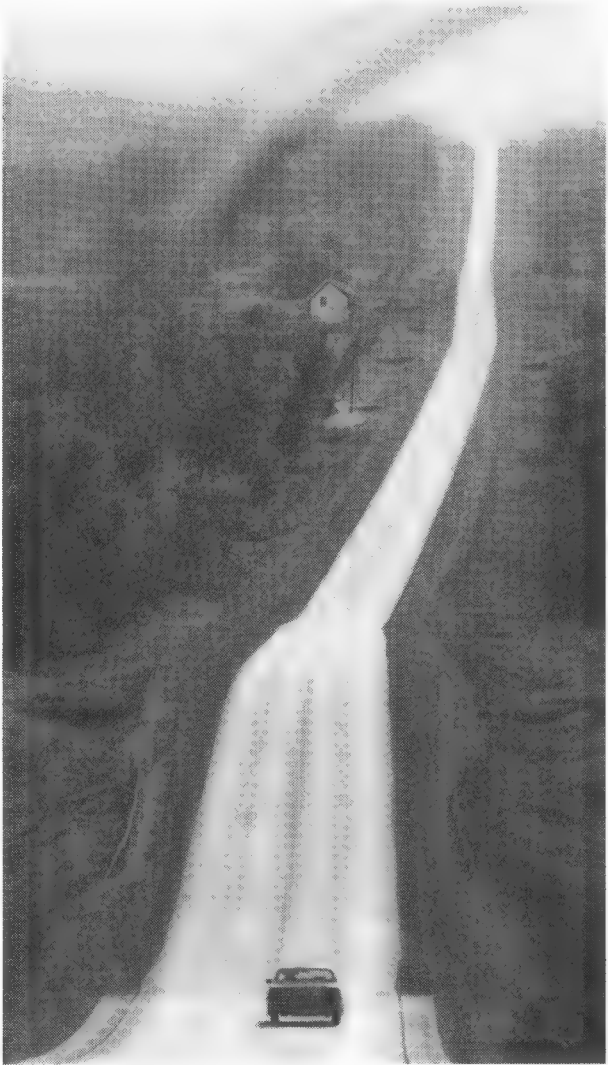
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Eric Erikson, BCom, reports that he is manager of reporting for Island Farms Dairies. He is a chartered accountant and lives in Victoria, B.C.

Glenn Mitchell, MBA, is the vice-president of the advanced technology and education division of Economic Development Edmonton. Economic Development Edmonton was created in January to merge several organizations responsible for tourism, development, services, and conventions. It is responsible for the Edmonton Research Park and the Advanced Technology Centre, among other concerns.

Ronald Snyder, MA, lives in El Cajon, California where he is vice president of marketing for a retailer and importer of ceramic tile from around the world.

'83

Lynell Korella, PhD, was named the distinguished administrator/manager of the year at Mount Royal College in Calgary. He is the director of the Academic Development Centre and heads academic computing at the College.

Tracy Marsden, BSc, '86

BSc(Pharm), is the pharmacy manager of a Safeway pharmacy in Calgary.

'84

William Kidd, MD, completed specialty training in cardiovascular and thoracic surgery at McGill U, and is currently working as a cardiovascular and thoracic surgical associate in Calgary.

Jonathan Mitchell, BCom, has recently returned to Edmonton to join RBC Dominion Securities as an investment advisor after eight years in Calgary and Toronto with Price Waterhouse. He was married last year.

Kimberly Petten, BSc(Eng), writes that after years of working as a petroleum engineer she has moved into environmental engineering at Amoco Canada. Currently she is working in Houston, Texas: "I'm extremely excited about the big move, and getting to work worldwide."

Stanley Prenioslo, BSc, is vice-president of Trego Energy and lives in Calgary with his wife and two children.

Alan Pritchard, MBA, returned to Canada after a three-year posting in England and Holland. He lives in Oakville, Ontario and works as director of investment analysis

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Northern Telecom.

Sandra Redmond (Soneff), BCom, and **Edward Redmond**, '83

(Eng), live in Calgary. Sandra has joined the newly-opened Calgary law firm of Stikeman, Elliott, having previously worked at the firm's Toronto office and for a California-based law firm. She and Ted are the parents of a daughter born in late 1992.

Neil Ryan, LLB, '80 BA, has joined the Calgary law firm of Cook Duke Cox as an associate in the litigation department.

Sheri Snaychuk (Noak), Cert(Sci), and **Mark Snaychuk**, '86 BSc, write that Mark has formed Snake Resources and currently works as a consultant for PanCanadian Petroleum in Calgary. Sheri is a senior research chemist with Shell Canada's Calgary Research Centre.

'85

Georgina Doell (Tabashniuk), BSc(HEC), '90 BSc(OT), is an occupational therapist with Edmonton Home Care.

Dale Harrison, BSc, teaches elementary school in Langley, B.C. He and his wife recently celebrated the birth of their second child.

Katherine McCulloch (Phillips), BA, works as a community investment services manager with the Bank of Montreal in Calgary. She previously worked as a Calgary stockbroker.

Douglas Meggison, BA, is working on an MA in health services studies at the Nuffield Institute for Health at Leeds U, England. He hopes to work as a researcher for a health care sector union.

Russell Mitchell, BA, writes from England that he has recently been appointed pastoral leader for Fulmerston Road Baptist Church in Thetford, Norfolk.

Evelyn Temple, BA(RehabMed), is now aquatics superintendent for the City of Fort Saskatchewan, Alberta.

Christina Tulloch-Woods, BA, '87 BEd, and **Frederick Woods**, '88 BEd, live in Terrace, B.C., where Fred has temporarily been vice-principal at the junior high school where he was department head. Christina is on maternity leave with their second son, but hopes to return to teaching part time this fall.

David Wyrstiuik, BSc, has completed a law degree from the U of Western Ontario, and will be articling at Sim, Hughes, Dimock in Toronto.

86

Stephen Amerongen, BSc(Eng), writes that he is enjoying life

"downunder" as a product manager for Northern Telecom. He relocated to Sydney, Australia in 1992 after working for AGT for six years.

Doris Bonora, LLB, has been made a partner in the Edmonton law firm Reynolds, Mirth, Richards and Farmer, where she has been an associate since 1987.

John Carruthers, PhD, a counselor and consultant who resides in Frankston, Victoria, Australia, made a quick half-day return visit to the U of A in February.

Michael Darbyshire, BSc(Eng), is public works director for the district of Squamish, B.C.

Margaret Mrazek, LLB, '62 BSc(Nu), '71 MHSA, is a health and labor law lawyer who has recently been made a partner in the Edmonton firm Reynolds, Mirth, Richards and Farmer.

Wendy Phillips, BEd, is teaching English as a second language and social studies at Sir Winston Churchill School in Vancouver, B.C. She previously taught in Edmonton and Toronto.

Timothy Tam, BEd, recently returned to Alberta after teaching for seven years in Hong Kong. He wrote in August to say he was looking for a teaching job in Edmonton.

'87

Ishaq Bhatti, MSc, lives in Australia and teaches business statistics, econometrics, and statistics courses in the International School of Business Relations at Griffith U in Nathan, Queensland.

Kenneth Galm, BSc(Eng), works as a structural design engineer in Edmonton.

Shawna Gnutel, BA, is hoping to complete an MA in communication studies at Carleton U in Ottawa this year.

Derek Hatch, BEd, '87 BSc, is married and teaches high school math in Provost, Alberta.

Daniel Kalantar, BSc, recently received his PhD in Physics from Cornell U in Ithaca, New York.

Douglas Lundquist, BSc, was recently moved to the mountain weather services office in Kelowna, B.C. by Environment Canada.

David Phillips, MSc, works in Germany as an applications scientist in the area of magnetic resonance imaging for Bruker Medizintechnik. He reports he has recently been travelling on business to Asia and South America. **Zofia Yeomans**, BSc(MedLabSci), has moved to Vancouver following her husbands transfer there. Writing in May, Zofia said they were expecting their first child in late summer.

Melinda Vester-Wiebe, BA, recently returned to Alberta after spending two years in Texas with her husband and daughter. She attended the journalism program at the U of Texas in Arlington.

'88

Robert Allen, BSc(Eng), is a manufacturing engineer at the Windsor auto assembly plant, "Home of the Chrysler mini van," he proudly writes.

George Coon, BA, is a credit officer for Alberta Treasury Branches in Calgary.

Douglas Currie, PhD, '78 BSc, has taken up duties as assistant curator in the entomology department of the Royal Ontario Museum in Toronto, after having recently completed postdoctoral studies at UBC and with Agriculture Canada in Ottawa.

Leanne Dyck (Erickson), BSc(HEC), reports that she was married in August and has been living in Prince George, B.C., for the last three years, teaching high school home economics and art. She completed a BEd degree this spring.

Mary Hyndman, BA, works for the United Nations High Commission for Refugees.

Guy Krepps, BSc(Eng), is a project engineer for IPL in Edmonton.

Philip Perry, BSc(Eng), lives in Oromocto, New Brunswick, and has attained the rank of captain in the Canadian Forces. He works as a military engineering officer and

is currently commanding officer of 22 Field Squadron at CFB Gagetown, New Brunswick. "I will soon be leaving for a six-month UN peacekeeping tour in the Golan Heights," he wrote in August.

Normeo Tan (Chung), BA, '90 BA(RecAdmin), and **Gregory Tan**, '89 BSc(FdSci), live in Vancouver, B.C. where Greg works for Apex Freshcut and Normeo is a recreational therapist with Willingdon Park Hospital.

Michelle Van Der Molen, BSc(Pharm), having spent four years in the Arctic (Iqaluit, N.W.T.) and four months in Guyana, South America, returned to Edmonton with her husband and daughter in May.

'89

Mark Arnfield, PhD, lives in Richmond, Virginia and works as an assistant professor and medical physicist at the Medical Center of Virginia.

Arnold Bell, BSc(Eng), designs and constructs pipeline systems within Alberta for Home Oil Company as a pipeline engineer.

Carolyn Bentley, LLB, '85 BCom, was recently made an associate in the Calgary office of the law firm Cook Duke Cox.

Margaret Broughton, BSc(HEC), works as a community nutritionist for North Shore Health in North Vancouver, B.C.

Garry Dziwenka, LLB, '84 BA, and **Lorrie Dziwenka (Pischke)**, '90 BSc(Pharm), live in Leaming-

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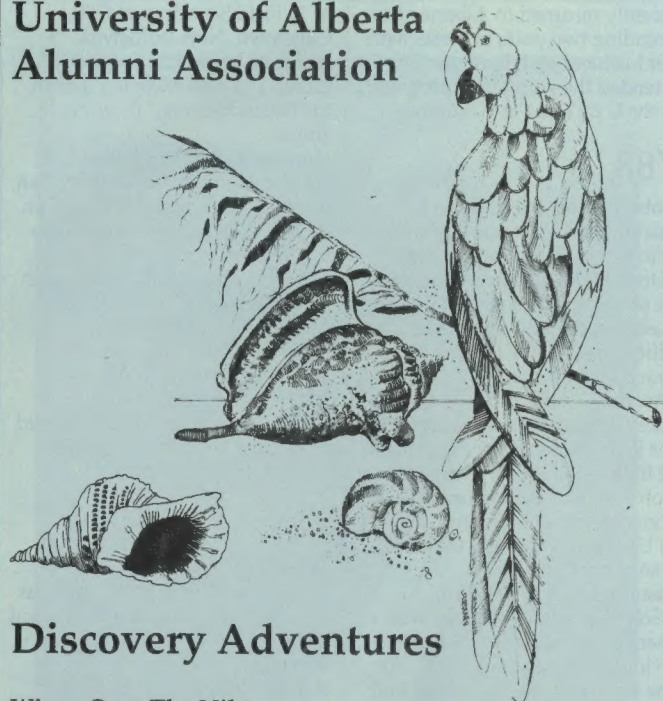


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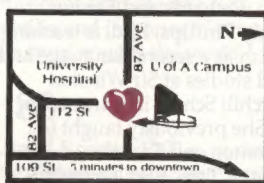
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ton, Ontario, where Lorrie is pharmacist-manager of a Big V Drug Store and Garry is attending grad school at U of Windsor.

Anthony Franzoi, BEd, teaches for the Edmonton Catholic School Board. He reports that he has completed a Bachelor of Religious Education after-degree at Newman Theological College in Edmonton.

Karen Saffran, BSc, recently completed her MSc at U of Waterloo and was looking forward to spending the summer in Alberta, having moved to Ardrossan.

William Susinski, BCom, has been a commercial lender with the Hong Kong Bank in Edmonton for the last three years. He is looking forward to moving to Hong Kong to join the parent company as an international officer.

'90

David Achanfuo-Yeboah, PhD, is head of national Aboriginal health statistics at the Australian Institute of Health, a research authority within the Australian health department.

Thomas Astle, BSc, has completed the first year of a two-year biotechnology program at the British Columbia Institute of Technology in Vancouver.

Penelope Cuddy, BSc(Nu), wor

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in the public health division of Alberta Health as manager of the sexual health program.

Linda Foubister, BSc, is pursuing a master's degree in biochemistry at UBC.

Patrick Kiernan, BCom, is a reporter and anchor for CFRN Eyewitness News in Edmonton. He was recently named the station's business editor and host of a half-hour news program, "Alberta Business."

Laureen Krumshyn (Dechant), BEd, and **Walter Krumshyn**, '92 BSc, were married last year and live in Ottawa, where Laureen works at PBSC Computer Training Centres and Wally works for Statistics Canada.

James McCrae, BPE, is completing his master's in traditional aboriginal play and games at the U of A. He reports that his wife and first daughter (born in January) are doing well.

Mei Ng, BA, works as a police inspector in the Royal Hong Kong Police Force. She plans to return to Edmonton to see her family, "but at this stage I need money and must work harder," she writes from Kowloon.

Ursula O'Neill (Ritcher), LLB, '87 BSc, and **Robert O'Neill**, LLB, '89 BCom, live in Edmonton where Robert is an associate with the law firm Ogilvie and Company and Ursula began a maternity leave in May from her position as hamper programs coordinator with the Edmonton Gleaners Association.

Sharon Pasula, BA, is a self-employed consultant and lives in Ottawa.

James Pitts, LLB, '87 BA, recently moved from Banque Paribas in Brussels to Bank of Tokyo Capital Markets in London, where he is head of the European structured finance desk.

Claire Potter (Eccles), BMus, reports that she is working as a legal assistant at the Edmonton law firm of Bosecke, Knol and Beeken.

Dennis Ryan, LLB, '76 BA, '82 BEd, is a corporate and commercial attorney with the Vancouver law firm Sangra, Moller.

Bonnie Caskey (Stelfox), BSc(Ag), got married in July and she and her husband live in Camrose, Alberta. She is the forage and livestock agrologist for the Battle River Research Group, which is based in Camrose.

Ray Suchow, BEd, teaches computers to grade eight and nine students at Roland Michener Junior/Senior High School in Slave Lake, Alberta. He recently received the Alberta Teachers' Association-Morgex Insurance

scholarship to study computers via distance education from McGill U. "Also proud parents of first child," he notes.

'91

Kenneth Baker, BCom, spent 16 months working as an AIESEC accounting trainee at Electrolux in Stockholm, Sweden. He now works for a subsidiary company, Frigidaire Canada, in Mississauga, Ontario.

Linda Cocco, BSc(Pharm), recently began a hospital residency at Vancouver General Hospital.

Ian Edwards, BA, studies accounting and business information systems part-time at Simon Fraser U and works in employer accounts at the Workers Compensation Board of B.C.

Darcy Erickson, BSc(Pharm), recently purchased the pharmacy in which he has been working in Claresholm, Alberta.

Darin Hannaford, LLB, '88 BA, has been made an associate of the Edmonton law firm Cook Duke Cox.

Gregory Holloway, MSc, performs contract research as a bioprocess development engineer at the Colorado Bioprocessing Center at Colorado State U.

Guylaine Lapierre, BEd, is on maternity leave from her job teaching French to adults and French immersion to primary-school children. "Teaching is fun!" she writes.

Danielle McAvoy (Brynda), recently graduated with a master's in speech pathology from the U of Washington in Seattle. She wrote in August that she was looking for a hospital speech pathology position in the Seattle area.

Lori Patterson (Taylor), BSc, was married last year and works as a research assistant for the Glenrose Rehabilitation Hospital.

Sandra Petersson, LLB, '87 BA, joined the Alberta bar in 1992 and currently works as a law clerk for the Supreme Court of Canada.

Bryan Rooke, BSc, and **Charlene Rooke (Yarrow)**, BA, were married in July in St. Albert, Alberta.

David Wagner, BEd, and **Carolyn Wagner**, '92 BA, live in Edmonton. Dave teaches math at New Sarepta Community High School. Carolyn is active in Habitat for Humanity in Edmonton.

Trevor Zapach, BSc(Eng), is completing a master's degree at the U of Victoria.

'92

Tracey Bendrien, BA, writes that she is "living in Halifax, bought a

great house and looking for employment in public relations — have been working in sales."

Vijay Dwivedi, MEng, is "assistant professor cum consultant" in the Water and Land Management Institute of Bihar, Patna, India.

Patricia Easton, BEd, writes from Black Diamond, Alberta, that she's "having fun raising my two-year-old son and substitute teaching with Foothills School Division."

Shelley Henschel, BA(RecAdmin), is a client services representative for Alberta Economic Development and Tourism. "Entails mostly planning and programming activities," she reports.

Janice Jackson, PhD, assumed the position of coordinator of the womens studies unit at the U of Guyana last year and is in the last year of her term as the national representative of the Caribbean Association for Feminist Research and Action.

Judith Keating, MA, lectures in human movement at the Australian Catholic U in North Sydney.

Trevor LaFleche, BCom, has been accepted to European U in Brussels, Belgium to take an MBA in international management.

Catherine Rehman, BSc(Nu), coordinates the pre-admission clinic at the Royal Alexandra Hospital in Edmonton.

Laurel Retelbach, BCom, is marketing manager for the Multicultural Heritage Centre in Stony Plain, Alberta.

Donald Ryland, PhD, is a post-doctoral fellow at the biomedical engineering institute at the Université de Montréal.

Linda Thorsen, MEd, lives in Lytton, B.C., and works as an education coordinator for Fraser Canyon Tribal Council.

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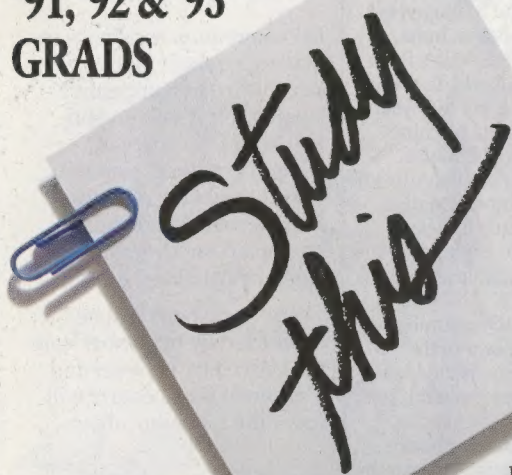
- ☐ Apply effective job interview skills.
- ☐ Prepare for "typical" interview questions.

Cost for each workshop is \$15 (add \$1.05 for GST) or \$25 for both (add \$1.75 for GST). If you are an unemployed alumnus looking for a part-time, full-time or career-related position, register (before 8 November) by contacting:

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Name: _____ Telephone: _____

Street: _____

Province: _____ Postal Code: _____

Grad year: _____ School: _____

Where did you hear about the program? _____

A-Alberta-'94